XXXX XXXX 2019 2 XXXX \$28,000 XXXX \$15,000 Five Year Plan
Department of Public Works
Projects
Implementation of Intersection Plan
Townsend Harbor Rd Bridge
Drainage Culvert Repair

# Capital Planning

CIP # DPN 16-08

# Form B-3

# Capital Planning Committee Town of Lunenburg, Massachusetts Building Projects and Maintenance

All requests shall be	$oldsymbol{Building}$ coordinated with the DPW ${f E}$	<i>Projects (</i> Director and/o	and Ma or Director	of Facilities	<i>Ce</i> : & Grou	nds.	
Department: DF	PW - Projects	Contact F	erson: Ja	ıck Rodriqu	enz		Date: 12/2/201
· · · · · · · · · · · · · · · · · · ·	acquired (quantity and desc	cription) Inclu	ude detaile	ed list of acc	cessorie	s or option	าร.
	t replacement - Phase 2 -						
2. Intended Use of E	Equipment:						
Outsource ir	stallment of cross culverts						
3. Fiscal Year Purch	ase Requested:			_	-		
FY 17	] FY 18 X		FY 19	] F	Y 20		FY 21
	FY 22 anticipated large p	urchases					
4. Rank the Priority	Within Year Requested:	#	of	1	equests		
Sc Re Le	Iditure (Check All That App heduled Replacement place Worn Equipment X gal Requirement replacement, what is being re	Condition Increased S	Safety ce		K	Expanded New Opera Others	ation
Fir	nancial Impact on Operating E	Budget (mainte	enance, cos	st of operatio	n, require		
	planned repair upon failure w						
W	II Above Expenditure Require	Additional Sp	ace?				
6. Alternatives Revie		_					
	ract Services Out to Private (	Company					
Ot	her: Outsourced						
7. Cost Information	- Attach three written estim	ates.					
	Per Unit Tota	al	Cost In Year	Fiscal Yea	r Ending		
Purchase Price	\$	28,000.00	0	June 30,			
Financing/Other Costs			1	June 30,			
Less Trade In			2	June 30,			
Net Purchase Cost	\$	28,000.00	3	June 30,			
			4	June 30,			
			5	June 30,		l	

Estimated Annual Maintenance Cost:

6 Year Total:

8	Manufacturer/	Vendor Warranties Provided: 1 year from completion
٥.	Mariana an	
9.	Justification:_	_3 Locations:
		Northfield Rd at New West Townsend Road
		Island Road
		Lancaster Ave
		location the existing pipe is in failure and collapse is imminent.
	Please r	note: Because Phase I culvert Repair (Northfield & Island Rd) were not accomplished this year,
	I have p	oushed out Phase II to 2018.
	·	

capplan/FORM B-3

8	Manufacturer/Vendor Warranties Provided: 1 year from completion
Ο.	Training dotter in your term in the second of the second o
_	Justification: On a regular schedule Mass DOT Bridge Division completes a detailed survey of these
9.	
	structures in our Town. The most recent inspection of the Townsend Harbor Bridge identifies, while
	the structure is in no imminent danger, repairs to the concrete, asphalt and transition joints, guard rails
	and attachment supports to major water line. As with many items requiring maintenance, it is always
	better to address issues before they magnify. With the proximity to the dam and extensive wetlands
	on a well travelled road, it is a critical location.

capplan/FORM B-3



Deval L. Patrict, Governor Timothy P. Murray, Lt. Governor Richard A. Davey, Secretary & CEO Frank DePaola, Administrator March 7, 2013

Town of Lunenburg Board of Selectmen 17 Main St. Box 135 Lunenburg, MA 01462 RECEIVED

MAR 1 3 2013

Attn: Jack Rodriquenz, DPW Director

SELECTMEN'S OFFICE

SUBJECT:

NATIONAL BRIDGE INSPECTION STANDARDS (NBIS)

**BRIDGE INSPECTION REPORTS** 

L-17-008

(1CK) TOWNSND HRBR / MULPUS BROOK

Dated: 11/05/12

Dear Mr. Rodriquenz:

As part of the Massachusetts Bridge Inspection Program, MassDOT - Highway Division performs the inspection of municipally owned bridges that have a clear span of 20 feet or greater. These bridges are scheduled to be inspected every two years or less.

For your records is a copy of a recent Routine bridge inspection field report for the referenced municipally owned bridge. Repair, rehabilitation or reconstruction of any bridges to address the deficiencies reported is the owner/custodian's responsibility. Chapter 90 funds may be used for these purposes.

Questions regarding the content of the report may be directed to the District Bridge Inspection Engineer, Mahmood Azizi, at 508-929-3822.

Sincerely,

Jonathan L. Gulliver

District 3 Highway Director

MA/jgn

ce: BIE (2), DHD D-3, DBIE D-3

Enclosure

2-15101	SIK	UCTU		2 IIASEE					OILI	L-17		·
03 1CK			, li	ROUTINE	INSEE	UII.						DATE
CITY/TOWN			8ST	RUCTURE NO.			1	, POINT	A:OPEN	90-ROUTIN NOV		
LUNENBURG				L17008-1C				1.127		YR REHAB	-	
07-FACILITY CARRIED				MEMORIAL NAM	E/LOCAL NAT	ME		R BUILT	106-YR REBUILT 1994		000 000	100)
HWY TOWNSND	HRBR						ľ	1937	1 .		000	
06-FEATURÉS INTERSECTED				26-FUNCTIONAL			DIST. BRIDGE	E INSPECT	ION ENGINEER	60		
WATER MULPUS I	BROO	K		Urban Minor			aum	us,	× 1 0 Ju	10 60	<u>a</u>	
43-STRUCTURE TYPE	,			22-OWNER Town	21-MAINTAI Town Ag		TEAMLEADI	RR.C.AI	igeli	<i>                                      </i>		
302 : Steel Stringe	r/Gird	er		Agency			7.10	<u> </u>	myell	· · · · · · · · · · · · · · · · · · ·		
107-DECK TYPE				WEATHER	TEMP. (air)		TEĂM MEME D. SMITI		(Jul			
2 : Concrete Preca	ast Pai	nels		Cloudy	3 6	<u> </u>		11				
TEM 58	7		UNDA	VI 59		7	] .	HIDDW		6		
DECK		DEF	SUP.	ERSTRUCTU	RE L		DEF	ļ,	RUCTURE	<u> </u>		DEF
1.Wearing surface	7	M-P	1.Str	ingers		N	-	li——	utments	Dive Cur	6	
2.Deck Condition	7	M-P	2.Fig	orbeams		N	-	a. Pede.		N N 7		
3.Stay in place forms	N		3.Flo	or System Brac	ing	N	-	b. Bridg c. Back		N 8		-
	N		4.Gir	ders or Beams	,	7		d, Breas	stwalls	N 6	-	M-P S-P
4.Curbs	N		5.Tru	ısses - General		N	]	e. Wing	walls e Paving/Rip-Rap	N 5 N N		3-F
5.Median			a.	Upper Chords	N		-	g. Point		N N		-
6.Sidewalks	N		b.	Lower Chords	N		-	h. Footi		N N	-	
7.Parapets	N	-	c.	Web Members	N		-	į, Piles į, Scou		N N N N	<b>+</b>	-
8.Railing	7		d.	Lateral Bracing	N			k, Settle		N N		-
9.Anti Missile Fence	N	-	e.	Sway Bracings	N			<u>/.</u>		N N	-	
10.Drainage System	N	-	f.	Portals	N		-	m.	rs or Bents	N N	N	
11.Lighting Standards	N		g.	End Posts	.N.		-	a. Pede		N N	,	-
12.Utilties	6	M-P	6.Pit	1 & Hangers		N		b. Caps	•	N N		
13.Deck Joints	N	-	7.Cc	nn Pit's, Gussel	ts & Angles		-	c. Colu	mns ns/Webs/Pierwalls	N N	-	-
14.	N	-	8.Cc	ver Plates	,	N		e. Poin		N N		
15.	N		9.Be	aring Devices		7	-	f. Foot		N N	-	
			10.0	iaphragms/Cros	ss Frames	7		g. Piles h. Scot		N N	-	-
16.	N		11. F	livets & Bolts		7			lement	N N		
augo pevent	N	S	12.V	Velds		7	-	<i>J.</i>		N N N N	-	
CURB REVEAL (In millimeters)	75	75	13.1	Nember Alignme	nt	8	-	& Dil	e Bents	N N	N	-
APPROACHES	And the second second	DEF	14.F	Paint/Coating		7		a. Pile		N N	''	-
		1	15.			N		b. Piles	3	N N	] [	-
a. Appr. pavement condition	7	M-P	Van	r Painted	N				onal Bracing	N N N N	<del> </del>	
b. Appr. Roadway Settlemen		-						e. Fasi	zontal Bracing eners	N N	1 [	
c. Appr. Sidewalk Settlement		-		LISION DAMAGE: le (X) Minor	Please exp. Moderate (	<i>iain</i> ) S	Severe ( )			YES please	explain	N
d.	N	]	1	D DEFLECTION:	Please exp					LO Picaso		
OVERHEAD SIGNS	(Y/N)	N		ne (X) Minor	) Moderate (		Severe ( )	COLLIS	SION DAMAGE: X) Minor ) N	Andersta (	\ Seve	ere ( )
(Attached to bridge)	,	DEF		D VIBRATION:	Please exp		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	None (		wouerate (	) Seve	,,,,
a. Condition of Welds	N	] -	Nor	ne (X) Minor	) Moderate (	) 8	pevere ( )	SCOUF None (	R: <i>Please explain</i> X) Minor ) N	Moderate (	) Seve	ere ( )
b. Condition of Bolts	N N	-	Anv	Fracture Critica	al Member:	(Y/N)	N		Dive Report): N	1-60 (Thi	is Repon	y: 6
c. Condition of Signs	N	-		· Cracks: (YIN)						,	0/00/0	,
								93B-0	J/W (DIVE) Insp		JOUR	,,,
CAS TRIVIALA	(SVIIV)	144	, iv	=NOT APPLI	CABLE_	GE!	IDDENIN	ACCES	SIBLE	R=	REM	OVED
X=UNKN	TOTALY.		- IV		-/*(-/33-							

CITY/	MOT	V			B.I.	N.	BR. DEPT. NO.	8STRU					INSPECTI		
LUN	ENB	URG			10	K	L-17-008	L1700	8-1C	K-MUN	-NI	31	NOV	5, 201	2
						Tun.	EM 36 TRAFFIC SA	FETY			(5.3000000)	ACCESSIF	BILITY	(Y/N/	P)
1 1000000000000000000000000000000000000	M 61	22			7		200	36	COND	DEF	_,			Needed L	Jsed
	NNE		3.7		CONTRACTOR OF THE PERSON AND PERSONS ASSESSMENT	A. E	Bridge Railing	1	7	-	4	Lift Bucket		N	N
CHA	NNE	L PROTECTIO	V			В. т	Fransitions -	0	4	S-P	_	Ladder		N	N
			Dive	Cur	DEF	C. A	Approach Guardrail	1	7	M-P		Boat		N	N
4 Ch	annel :	Scour	N	7	-		Approach Guardrail Ends	0	6	S-P		Waders		Υ	Y
l ——			1	7			IGHT POSTING	N-4 A	!:	610 X	1	Inspector 50	) .	N	N
		nent Erosion	N	<del> </del>		77.25	н Н		<i>pplicat</i> 382 Str	ble X	J	Rigging		N	N
3.De	oris		N	7						N		Staging		N	N
4.Veg	getatio	n	N	7		Act		<b></b>	=    -			Traffic Cont	rol	N	N
5.Uti	lities		N	N	-	Red	commended Posting N	1 N	N .	N		RR Flagger		N	N
6 Rin	-Ran/S	Slope Protection	N	7		Wai	ved Date: 00/00/00	EJDMT Da	ate:	00/00/00		Police		N	N
l	gradat		N	8	_		At brid	ige	Other	Advance	_	Other:			
				N		Sign	ns In Place E	w	_ E_	w_	٦	Caron		N	N
8.561	ider S	ystem	N.	10	-		Yes,N=No, =NotReguired)			<u> </u>	]			<u></u>	
l				ļ		Leg	ibility/					TOTAL HO	DURS	<u> </u>	8
					•	1	bility L					737 4 330	0.44		
						,	ARANCE POSTING	N in	ft :	S In m	eter	PLANS	(Y/	N):	N
ļ			<u> </u>				TAPPIICADIE A		[ <del>-"</del> -		CLEI				
STRE	AM FL	OW VELOCITY:				1	ual Field Measurement			0.		(V.C.R.)	(Y/N):	N	1
		( ) Moderate (X) L	) wo.	) No	ne ( )	Pos	ted Clearance At brid		V4	vance		TAPE#:	_		
ļ,				· ·		Sim	ns In Place N	S	N	S		IAPE#:			
ITEM 61	(Dive R	eport): N ITEM 6:	(This	s Repo	ry 7	(Y='	Yes,N=No,					List of field te.	sts performe	d:	1
			20/0	0.10.0	— <del>_</del> _	NR=	=NotRequired)			7/	7	None:			1
93b-l	I/W IN	SP. DATE:	JU/U(	0/00			bility				الك		and the state of t		
RATI	NG		·			/To be	e filled out by DBIE)	SAN STATE OF THE PARTY OF THE P			fYE	S please give p	riority:		ı
•		rt (Y/N): Y					lest for Rating or Reratin	g (Y/N):	N	. [	HIC	SH ( ) MEDIUM	( ) LOW (	)	
		09/01/2002								_					1
Date:			wiati		lina	REA	SON.								
		on data at time of e : 8   160; 6   Da			//2001										
1 30. 0	100	. 0 100. 0 D		77/!/	72001			MOUNTA	V/61411	IN D			<u> </u>		
							CONDITION R	AYA B ILVE	<u> የ</u> ወጣ	יייני	(For	Items 58, 59, 60	and 61)		
	CODE	CONDITION					DEFECTS	5							
	N	NOT APPLICABLE													
G	9	EXCELLENT	E	xceller	ıl condition.										
G	8	VERY GOOD	N	ło prob	lem noted.										
G	7	GOOD	s	Some m	inor proble	ns.									
F	6	SATISFACTORY					ome minor deterioration.								
F	5	FAIR					nts are sound but may have minor :	section loss,	cracking,	spalling or sc	our.				
P	4	POOR		dvance	section los	s deter	ioration, spalling or scour.			•					
				oss of	section, det	erioralio	n, spalling or scour have seriously	affected prim	ary structu	ıral compone	nts, I	ocal failures are po	ssible. Faligue o	cracks	l
Р	3	SERIOUS	- Ir	n steel	or shear cra	icks in co	oncrete may be present.	rocke in elec	l or sheer	cracks in cor	crete	may be present or	scour may have		[
С	2	CRITICAL	10	emova.	doubstruch	ire suppi	ort. Unless closely monitored it may	/ be necessa	ry to close	i fue minde h	IIIII CC	HECHAR OCHOIL IS 101	COI i.		
C	<b></b>	"IMMINENT" FAILURE		Anlas d	decieration	or section	on loss present in critical structural of tt corrective action may put it back i	components	or obvious	vertical or ho	rizon	tal movement affec	ling structure sta	olility.	
	1	AMMINENT PAILONG						ngrit dai vitti							· ·
	0	FAILED	_  c	Out of s	ervice - bey	ond corr	rective action.			F64 + 5 * = P					
	L						DEFICIENCY RE	IKOKABI	ix(e)(e	1011010					
DEFI	CIENC	Y: A defect in a str	uclure	that re	quires corre	ective ac	ction.								
CAT	GOR	ES OF DEFICIENC	CIES	2,											
M⊨N	1inor I	eficiency - Deficiencies	which	are mind	r in nature, go	enerally do	o not impact the structural integrity of the b gged drainage, etc.	ridge and could	l easily be re	paired. Exampl	es incl	ude but are not limited t	o; Spalled concrete	, Minor pot	
g_ g	voro /k/	holes, Minor Laior Deficiency - D	corros eficiend	ion of St cles whic	sei, minor sco h are more ex	densive in	gged drainage, etc. I nature and need more planning and effor It, Considerable scouring or undermining. I	t to repair. Exam	nples includ	e but are not lim	ited lo	: Moderate to major det	erioration in concre	le, Exposed (	and
0= 86	vere/iv	rajor Deneterich . o	orroded	rebars,	Considerable	settlemen	it, Considerable scouring or undermining.	Moderale to ext	ensive corre	sion to structur	an Stee	ure of the element which	h will affect the stru	ctural integrit	ty
C-S=	Critica	al Structural Deficie	ency	- Ade	iciency in a si bridge.	ructural el	lement of a bridge that poses an extreme t	urisare condition	oue to the	LEBRUIC OF IMPLIED	-111 13H	and Impair the alonette	milinianrily of the h	idna Evamo	oles
C-H=	Critic	al Hazard Deficienc	2 <b>y</b> -	A defici	ency in a com but are not lin	ponent or nited to: Le	element of a bridge that poses an extreme cose concrete hanging down over traffic or	e hazard or uns r pedestrians, A	ale condition hole in a sid	n to the public, t dewalk that may	cause	s not impair the structu Injuries to pedestrians	Missing section of	bridge railing	i.
				etc.											
URG	ENCY	OF REPAIR:			-					M t					
I = Im	mediate	. Hennelovie Immedi	alely co	ontact DI	strict Bridge Ir	spection i	Engineer (DBIE) to report the Deficiency a ngineer or the Responsible Party (if not a s	nd to receive fu Staté nument bet	nner instruc dae) unon re	ecelpt of the Ins	n). pedlor	Report].			
A = A	SAP• ioritize-	[Action/Repair should	be init	lialed by	District Maint	enance Er eer or the	ngineer or the Responsible Party (if not a State owned b	ridge) and repa	ks made wh	en funds and/o	manp	ower is available].			
r = r/1	TOT THING	forman no hmorared r	., -,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,												

INSPECTION DATE 8.-STRUCTURE NO. CITY/IOWN B.I.N. BR. DEPT. NO. NOV 5, 2012 L-17-008 L17008-1CK-MUN-NBI 1CK LUNENBURG

# REMARKS

# **BRIDGE ORIENTATION**

# Orientation from the rating report.

The approaches are West to East and the elevations are South to North. This is an inverset structure consisting of 3 prefab panels numbered from South to North. There are six steel beams numbered from South to North. The brook flows from North to South.

## ITEM 58 - DECK

# Item 58.1 - Wearing surface

The joint filler between the South longitudinal joint in the wearing surface shows minor settlement (up to 1/2 in.) in several areas throughout. See photo #1.

# Item 58.2 - Deck Condition

The filler to the South underside longitudinal joint is sagging down. See photo #2.

# Item 58.12 - Utilties

The longitudinal steel threaded utility rods are heavily surface rusted, and the lower rod is broken and hanging down into the brook. See photo #3.

# **APPROACHES**

# Approaches a - Appr. pavement condition

The West bituminous concrete (bit. conc.) approach pavement shows isolated areas of minor transverse and longitudinal cracking. There is minor transverse cracking and breakup to the approach to deck transitions at both ends of the bridge. See photo #4. There is a 2 ft. long x 1 ft. wide patched pothole at the North end of the West approach to deck transition. See photo #5.

# ITEM 60 - SUBSTRUCTURE

# Item 60.1 - Abutments

## Item 60.1.b - Bridge Seats

The original substructure was left in place and new backwalls and bridge seats were added to this structure.

# Item 60.1.d - Breastwalls

There is a previous concrete repair to the top Southeast corner breastwall/seat, which shows a minor crack. There is a full height x up to 1/4 in. wide crack at the South end of the East breastwall, that extends up through this patched area. See photo #6. There is a triangular shaped spall at (waterline) the East center construction joint, approx. 18 in. high x 8 in. wide x 4 in. deep. This spall was below the waterline at the time of this inspection due to moderately high water. Both breastwalls show minor abrasion from the high waterline down.

### Item 60.1.e - Wingwalls

The Southeast wing shows heavy map cracking with efflorescence to the bottom half. See photo #7. There is a 6 ft. long x up to 2 ft. high x up to 6 in. deep spall to the East end of the Southeast wingwall. See photo #8. There is a spall to the top inside Southeast wing (cheek wall), approx. 3 ft. high x 1 ft. wide x 2.5 in. deep. The Northeast wing/retaining wall shows extensive map cracking and efflorescence staining. The Northwest wing/retaining wall shows minor cracking and several repaired cracks. Both North wing caps show previous repairs. See photos #9 & #10.

# REMARKS

# TRAFFIC SAFETY

## Item 36b - Transitions

There are several transition posts missing at the Southwest and Southeast corners of the bridge. **See photo #11.** The transition anchor bolts are not tightened down at the Southeast corner of the bridge. The transitions are not stiffened at all four corners of the bridge.

# Item 36c - Approach Guardrail

There is minor collision scrapes and dents to the Southeast and Northwest approach guardrails.

# Item 36d - Approach Guardrail Ends

The guardrail ends are not sufficiently buried at the Northwest and Northeast corners of the bridge. <u>See photos #12 & #13.</u>

# Photo Log

Photo 1:	The South longitudinal	joint filler	showing mino	r settlement	in several areas.
----------	------------------------	--------------	--------------	--------------	-------------------

Photo 2: Sagging joint filler to the South longitudinal joint.

Photo 3: Rusted utility rods. Broken lower utility rod hanging into the brook.

Photo 4: Minor cracking and breakup to both bit. conc. approach to deck transitions. Photo 5: Patched pothole at the North end of the West approach to deck transition. Full height crack and patched area to the South end of the East breastwall.

Photo 7: Map cracking to the bottom half of the Southeast wingwall.

Photo 8: Spall to the top of the Southeast wingwall.

Photo 9: Map cracking and concrete repair to the Northeast wing/retaining wall.

Photo 10: Cracks and repairs to the Northwest wing/retaining wall.

Photo 11: Missing transition posts, typical at the Southwest and Southeast corners of the bridge.

Photo 12: Northeast guardrail end not sufficiently buried.
Photo 13: Northwest guardrail end not sufficiently buried.

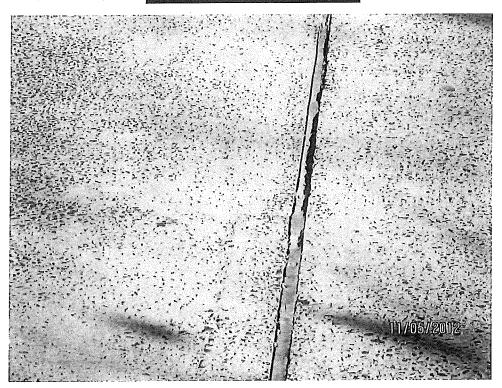


Photo 1: The South longitudinal joint filler showing minor settlement in several areas.

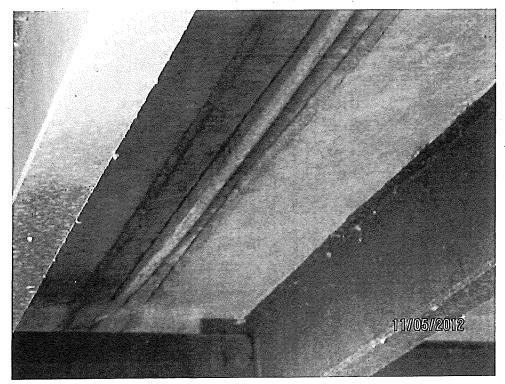


Photo 2: Sagging joint filler to the South longitudinal joint.

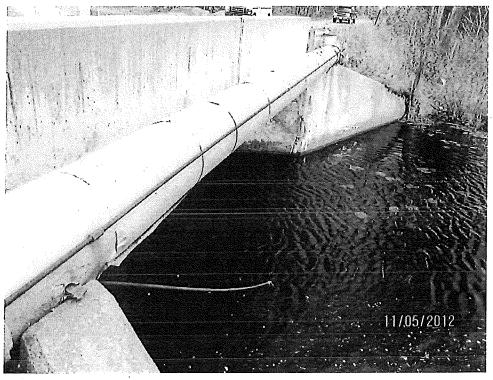


Photo 3: Rusted utility rods. Broken lower utility rod hanging into the brook.



Photo 4: Minor cracking and breakup to both bit. conc. approach to deck transitions.



Photo 5: Patched pothole at the North end of the West approach to deck transition.

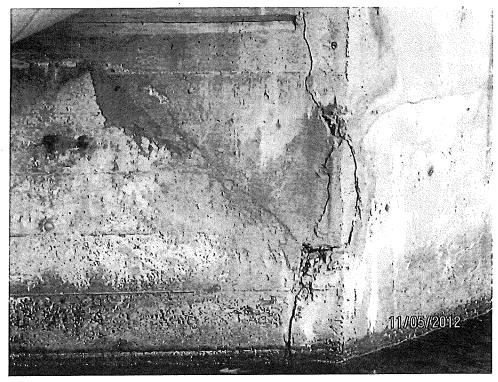


Photo 6: Full height crack and patched area to the South end of the East breastwall.

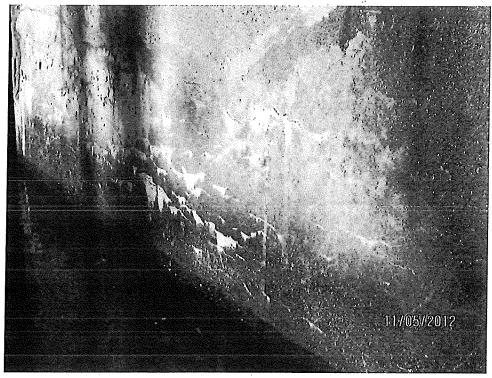


Photo 7: Map cracking to the bottom half of the Southeast wingwall.



Photo 8: Spall to the top of the Southeast wingwall.

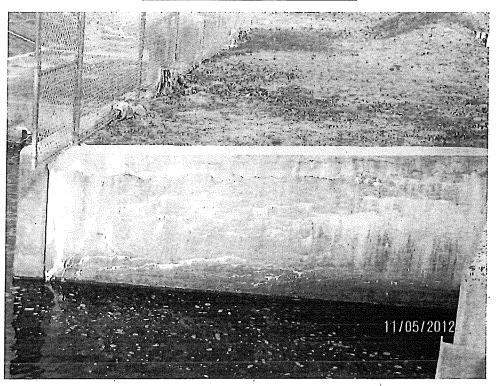


Photo 9: Map cracking and concrete repair to the Northeas't wing/retaining wall.



Photo 10 Cracks and repairs to the Northwest wing/retaining wall.



Photo 11 Missing transition posts, typical at the Southwest and Southeast corners of the bridge.

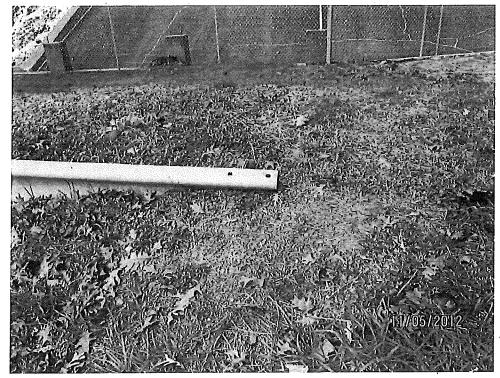


Photo 12: Northeast guardrail end not sufficiently buried.

CITY/TOWN B.I.N. BR. DEPI. NO. 8.-STRUCTURE NO. INSPECTION DATE LUNENBURG 1CK L-17-008 L17008-1CK-MUN-NBI NOV 5, 2012

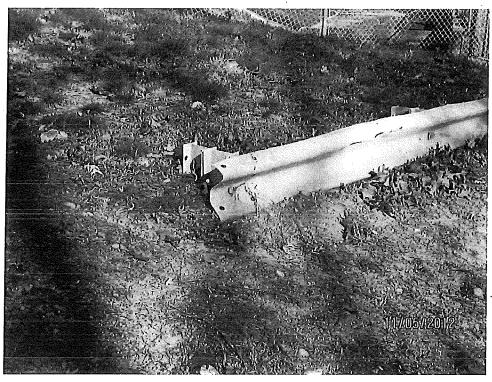


Photo 13: Northwest guardrail end not sufficiently buried.

# R.A. Powell Construction Corp.

# Proposal

259 Leominster Shirley Rd Lunenburg, MA 01462 Phone (978) 537-8100 Fax (978) 840-6404

To:

Town Of Lonenburg DPW

520 Chase Rd.

Lunenburg, MA 01462 Attn: Jack Rodriguenz

PHONE	DATE	
978-582-4160	10/16/2014	
JOB NAME / LOCATION		
Culvert Replacment		
FAX	JOB PHONE	
978-582-4152	1	

dellara

# phase

WE HEREBY SUBMIT SPECIFICATIONS AND ESTIMATES FOR: Culvert #1 - Northfield Rd.

2 days excavator \$3,600.00
2 days truck rental \$1,760.00
2 days, 2 laborers \$2,240.00
re pave 30' X 40' \$3,960.00
dewatering \$600.00
road plates \$750.00
hay bales & silt fence \$700.00
stone \$800.00
32' of 48" Class III RCP 2,300.00
2 precast headwalls 2,400.00
Total Cost \$19,110.00

Culvert #2 - Island Rd.
3 days excavator \$5,400.00
2 days truck rental \$1,760.00
3 days 3 laborers \$3,360.00
re pave \$4,100.00
dewatering \$600.00
road plates \$750.00
hay bales & silt fence \$1,000.00
stone \$800.00
rip rap stone \$1,200.00
2 catch basins \$3,000.00
60' - 36" class III RCP \$2,648.00
ALT 36" HDPE pipe \$2,248.00
Total Cost \$24,618.00

Date of Acceptance:

Phase 2

Culvert #3 Lancaster Ave.
3 days excavator \$5,400.00
3 days truck rental \$2,400.00
3 days 2 laborers \$3,360.00
re pave \$5,300.00
dewatering \$1,200.00
road plates \$1,000.00
hay bales & silt fence \$1,000.00
stone \$800.00
48 - 36" class V RCP \$2,705.00
2 precast headwalls \$1,900.00
Total Cost \$25,065.00

Signature

This proposal excludes police detail & any guardrail.

We Propose hereby to furnish material and labor- complete in accordance with the above specifications, for the sum of:

		don	a15.
Payments to be made as follows:			
All material is guaranteed to be as specified. All work to be completed in a professional manner according to standard			
practices. Any alteration or deviation from above specifications involving extra costs will be executed only upon	Authorized		
written orders, and will become an extra cost over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tomado and other necessary insurance. Our workers are fully covered by workers compensation insurance.	Signature	Jeff Powell	
Note: this proposal may be withdraw	wn by us if not a	ccepted within	30 days.
Acceptance of Proposal: The above prices, specification and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payments will be made as outlined above.	Signature		

# Form B-3

# Capital Planning Committee Town of Lunenburg, Massachusetts Building Projects and Maintenance

All requests shall be coordinated with the DPW Director and/or Director of Facilities & Grounds.

Department:	PW - Projects	Contac	ct Person:	Jack Rodric	quenz		Date: 12/2/2015
1. Equipment to be	acquired (quantity and	d description) In	clude deta	ailed list of a	ccessories	or options	5.
Repair to T	ownsend Harbor Bridg	je, guardrails, ut	ilities, and	asphalt trai	nsitions.		
	***************************************				***************************************		<b>J</b>
2. Intended Use of	Equipment:						
3. Fiscal Year Purc	hase Requested:						
FY 17	FY 18	3	FY 19[		FY 20	]	FY 21
	FY 22 anticipated la	rge purchases					
4. Rank the Priority	Within Year Requeste	ed: #	1	of <u>1</u>	_requests		
5. Purpose of Exper	nditure (Check All Tha	t Apply)					
So	cheduled Replacement	Condition	n Inadequa	te	X Ex	panded S	ervice
Re	eplace Worn Equipment	X Increase	d Safety		X No	ew Operati	on
Le	egal Requirement	X Maintena	ance		X O	hers	
If	replacement, what is bei	ng replaced?	See Above	)			
Fi	nancial Impact on Opera	iting Budget (mair	ntenance, c	ost of operati	ion, required	training)?	
No	)					,	
VV	ill Above Expenditure Re	equire Additional S	opace /	<u> 10</u>			
<ol><li>Alternatives Reviews</li></ol>	ewed:						
Cont	ract Services Out to Priv	ate Company					
Ot	her: Outsourced						
7. Cost Information -	· Attach three written e	estimates.					
	Per Unit	Total	Cost I	n Fiscal Yea	ar Ending		
		[	Year		<u> </u>		7
Purchase Price		\$ 18,000.00	0	June 30,			
Financing/Other Costs			1	June 30,			
Less Trade In		A 40.000.00	2	June 30,			
Net Purchase Cost	<u> </u>	\$ 18,000.00	3	June 30,			
			4	June 30,			
Entimated Assess	al Maintanana Cast.		5	June 30,	Year Total:		
Esumated Annu	al Maintenance Cost:			ь	rear rotal.		

Capital Planning Five Year Plan Department of Public Works Vehicles	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Intl 6 Whl Dump	\$123,000														
CB Cleaner Attachment	\$87,125														
GMC Dump 350	\$53,300														
Chevy Dump 350	\$53,300														
Mack Dump 6WL P&S	\$194,750														
Ford Pickup W/ Plow		\$44,126													
Int Dump 6WL P&S		\$199,619													
Intl Dump 6WL P&S			\$204,609												
Trackless & Attachements			\$172,303				  -								
Mack 10 WL P&S				\$248,358											
Ford Dump 350				\$57,398											
J.D. Landscape Tractor				\$46,361											
Ford Dump F350					\$58,833										
Ford Pickup W/Plow					\$47,519										
Int Dump 6 WL P&S						\$220,342									
Intl Dump 6WL P&S							\$225,850								
Ford Dump F350										\$66,564					
Ford Pickup F250											\$55,108				
Mack 6WL P&S												\$268,465			
J.D. Loader												\$190,751			
CAT Backhoe													_		\$157,865
TOTAL per year \$511,475   \$243,745   \$376,912   \$352,117	ar \$511,475	\$243,745	\$376,912	\$352,117	\$106,352	\$220,342	\$220,342 \$225,850	\$0	\$0	\$66,564	\$55,108	\$459,216	\$0	20	\$157,865

\*\*Prices are based on current price with estimated inflation at 2.5% annually

# **DPW Vehicle Rotation Schedule**

Item Description	Year of Acqusition	Cost at Acqusition	Current Estimated	Life Expectancy	Current	Projected Replacement	Target Replacement	Estimated Inflated Price (2.5%	Totals
Mack 6WL P&S	1989	95K	\$190 000	10-12	26	1999-2001	7 ear	annually)	2016
Elgin Sweeper	1994	100K	\$185,000	6-8	21	1997-2003	2016	\$185,000	\$484,000
Ford Tractor/Backhoe	1996	72K	\$109,000	8-10	19	2002-2004	2016	\$109,000	
Intl 6 Whl Dump	1991	9K	\$120,000	10-12	24	2001-2003	2017	\$123,000	2017
CB Cleaner Attachment	1992	30K	\$85,000	8-20	23	2000-2012	2017	\$87,125	\$511,475
<u>Vactor Truck</u>	N/A	N/A	\$250,000						
GMC Dump 350	1994	25K	\$52,000	10-12	21	2004-2006	2017	\$53,300	
Chevy Dump 350	1999	22K	\$52,000	7-10	16	2006-2009	2017	\$53,300	
Mack Dump 6WL P&S	2002	130K	\$190,000	10-12	13	2012-2014	2017	\$194,750	
Ford Pickup W/ Plow	2005	25K	\$42,000	7-10	10	2012-2015	2018	\$44,126	2018
Int Dump 6WL P&S	2005	125K	\$190,000	10-12	10	2012-2015	2018	\$199,619	\$243,745
Intl Dump 6WL P&S	2005	125K	\$190,000	10-12	10	2012-2015	2019	\$204,609	2019
Trackless & Attachements	2008	30K	\$160,000	8-12	7	2016-2020	2019	\$172,303	\$376,912
Mack 10 WL P&S	1994	120K	\$225,000	10-12	21	2004-2006	2020	\$248,358	2020
Ford Dump 350	2005	37K	\$52,000	7-10	10	2012-2015	2020	\$57,398	\$352,117
J.D. Landscape Tractor	2000	20K	\$29,000	10-12	15	2010-2012	2020	\$46,361	
Ford Dump F350	2001	35K	\$52,000	7-10	14	2019-2022	2021	\$58,833	2021
Ford Pickup W/Plow	2008	35K	\$42,000	7-10	7	2015-2018	2021	\$47,519	\$106,352
Int Dump 6 WL P&S	2007	130K	\$190,000	10-12	8	2017-2019	2022	\$220,342	
Intl Dump 6WL P&S	2007	130K	\$190,000	10-12	œ	2017-2019	2023	\$225,850	
Ford Dump F350	2012	40K	\$52,000	7-10	က	2019-2022	2026	\$66,564	
Ford Pickup F250	2012	35K	\$42,000	7-10	3	2019-2022	2027	\$55,108	
Replacement - Mack 6WL P&S	2016	190K	\$190,000	10-12	0	2026-2028	2030	\$268,465	2030
J.D. Loader	2011	135K	\$135,000	8-15	4	2019-2026	2030	\$190,751	\$459,216
Replacement - CAT Backhoe	2016	109K	\$109,000	8-10	Z;	2024-2026	2031	\$157,865	
Cat Asphalt Roller	2013	35K	\$35,000	10-12	2	2023-2025	2033	\$53,257	
Replacement - Elgin Sweeper	2016	185K	\$185,000	3-9	0	2019-2025	2034	\$288,537	
Morbark Chipper	2001	65K	\$85,000	8-15	14	2009-2016	2035	\$135,885	

Being replaced in 2016
New Replacement 2016
Must be purchased together
Alternative for CB Cleaner

# Town of Lunenburg Department of Public Works

John M. Rodriquenz Director

Tel.: (978) 582-4160 Fax: (978) 582-4152



520 Chase Road Lunenburg, MA 01462

December 4, 2015

Capital Planning Committee

Jamie Toale Chairman

Dear Jamie,

Unlike past years, DPW capital request for equipment for fiscal 2017 offers a unique opportunity. Whereas, typically I would rate the purchases as a priority within a year, i.e. 1 of 4, I ask you look at the 4 items as a whole since they are interdependent.

Mandated by our storm water permit, and described as "good housekeeping" procedures, the Town must on a regular schedule clean all catch basins. Our current set up which requires a 6 wheel chassis, a specially designed body and the clamshell attachment itself is described below:

1991 International truck, cab and chassis purchased in 2003 current age 24, condition, very poor

1992 Catch Basin cleaner attachment, boom and clamshell: very poor condition.

2004 Holding body. Good condition can be refitted to new truck.

# 2017 Requests:

\$123,000.00 New cab and chassis \$0 Refit existing body \$ 87,125.00 Catch Basin cleaner attachment, new \* \$ 210,125.00 Total

Also requested is a new 6 wheel dump with plow and sander unit to replace a 2002 model of same specifications. (\$ 194,750.00) This is a front line winter operations unit which also serves as a chipper box truck to accept tree and brush removal. This would be traded in, value unknown at this time.

Proposal: Eliminate the purchase of the cab and chassis (123k), remove the existing front line snow vehicle from winter ops and refit it with the new CB cleaner and existing body. Eliminating the stress of winter and using it specifically for drain cleaning will significantly extend the life of the 2002 vehicle.

2017 additional requests: replacement of (2) one ton trucks, a 1994, and a 1999 (\$ 53,300.00) a piece. A conversation with the Facilities Director of the schools brings to light his suggestion to hand down the better of the two. Recently I informed him of holes in the frame of his existing vehicle. He continues to

keep it in service while requesting a "hand -me-down" sufficient for the light duty required from this truck.

DPW proposes to offer the better of the 2 as a hand-me-down, eliminating the school's request in the same year.

Please contact me immediately if any of you are not clear with the above proposal or any other component of my Capital Plan.

Thank you for your consideration.

Jack Rodriquenz

\*There have been discussions regarding the purchase of a Vactor truck to replace the catch basin cleaner set up in order to better service the more modern drainage interceptors. These vehicles also efficiently clean catch basins. Early estimates are in the neighborhood of \$ 350,000.00 and up

CIP # DPW 17-02

# Form B-1

# Capital Planning Committee Town of Lunenburg, Massachusetts Capital Equipment Request

	Department:	DPW - Vehicles	Contact Person:	Jack Rodriquenz		Date: 12/2/2015
1.	Equipment to b	e acquired (quantity and descr uipment is a vehicle, please a	iption). Include deta attach Form C.	ailed list of access	ories or options	S.
	6 Wheel	Truck (Chassis Only)				
2.	Intended Use					
	То ассер	t new catch basin cleaner atta	chment.			
3.		ırchase Requested:			00	FY 21
	FY 17	Y X FY 18	FY 19	LJ FY	20	F1 21
		FY 22 anticipated large pu	ırchases			
4.	Rank the Prior	rity Within Year Requested:	#	of <u>5</u> requ	ıests	
5.	Purpose of Ex	penditure (Check All That App	y)	<b></b>		. <del>[</del> ]
		Scheduled Replacement	Present Equipmen	t Obsolete	Expanded S	
		Replace Worn Equipment X	Increased Safety	ran/Danarda	New Opera	
		Legal Requirement	Improved Procedu	res/Records	Others	
		If replacement, what is being rep How many hours currently used Financial Impact on Operating E	? Winter O	/heel Truck perations cost of operation, r	equired training)	?
		Significantly lower maintenance	more reliable			
		Will above expenditure 1) increa 3) eliminate need for additional No	ase number of person personnel?	nel, 2) reduce numl	per of personnel,	or
		Will above expenditure 1) increased		2) reduce operating	g costs with impr	roved efficiency?
		Will Above Expenditure Require	Additional Space? _	_No		
6		o New Equipment Purchase Re		F-7	Earlinmani	Pental
		Transfer/Borrow Equipment From			Equipment Lease Pur	11
		Contract Services Out to Private (			Other:	
		Purchase Equipment Jointly With	Attottlet 10Mil	X		
		Used Equipment				

7. Cost Information -	Attach three written	estimates.				
7. Cost Information -	Per Unit	Total	Cost I	n Fiscal Year End	ding	
	T CI OTIK		Year			
Purchase Price		\$123,000.00	0	June 30,		
Financing/Other Costs			1	June 30,		
Less Trade In			2	June 30,		
Net Purchase Cost		\$123,000.00	3	June 30,		
11011 411			4	June 30,		
			5	June 30,	r Total:	
Estimated Annu	ıal Maintenance Cos	t: 200		0 (64)	1 1014	
*Oil and lube	e only, does not inclu	ide unforeseen rep	oairs			
			1 year_	_		
8. Manufacturer/Ver	ndor Warranties Prov	naea: .	1 your			
9. Estimated Usage	of Requested Equip	ment:				
9. Estimated Osago	t l Farinmoi	nt Use Seasonal?	No			
		- Dor Voor Heed				
		- Dave Der Meek:	5			
* For Weeks Used	d, Estimated Average Used, Estimated Hou	uro Der Day Used:	8			
* For Days	Used, Estimated Hot	uis Pei Day Cood.				
	Estimated Useful	Life of Equipment:	15-20 y	ears		
11 P	olares assistanted	narrative.				
10. Justification:_ <u>F</u>	Please see attached					
firet r	equest for equipmen	nt needed immedia	itely, exp	lain how need cre	eated.	
11. If this is mist	equest io. o q					
,						

# FORM C Criteria & Reasoning Vehicle Purchase

Date: 12/2/15		
To: Capital Planning Committee		
-rom: <u>DPW</u>		
1. Department: <u>DPW</u>	L O Charain	
2. Type of Vehicle: <u>6 Wheel C</u>	ab & Chassis	
3. Hours of Use Required:		
4. Need: Storm Water Reg	X UsedUsed	
	Λ	
6. Criteria:		
	Current	Replacement New
Age	1991	Mew
	N/A	
Mileage/Hours	IN/A	
Overall Condition	Poor	
Overall Condition		
Inspection-State	MA	
Inspection-Independent		
A A L L Course		
Vehicle Source		
Repair History (accident?)		
	y):Longevity	
7. Reasoning (used versus new		
Naw 6122 00	0 Used	
8. Cost: New_\$123,00	CPCXOth	er
9. Funding Source - Request.	CI CX	



# CHASSIS SPECIFICATIONS SUMMARY

October 28, 2015

DUMP . . . . . On Hwy

2017 MACK GU712	ST

ACK GU712		STRAIGHT TRUCK WITHOUT TRAILER
MACK MP7-345A 345HP	Transmission Clutch	1 3000-RDS-6 OMIT CLUTCH
14,600# FXL14.6 14.600#	Rear Axle Suspension	26,000# RS-26-185 Ratio 5.38 26,000# MULTILEAF
Front: 12R22.5	Wheels	22.5x8.25 STEEL DISC (10-HOLE) 22.5x8.25 STEEL DISC (10 HOLE)
GVW: 40,600#	Fuel Tanks	LH: 72gal
	Sleeper	
	MACK MP7-345A 345HP 14,600# FXL14.6 14,600# Front: 12R22.5 Rear: 12R22.5	MACK MP7-345A Transmission 345HP Clutch  14,600# FXL14.6 Rear Axle 5uspension  Front: 12R22.5 Rear: 12R22.5 GVW: 40,600# Fuel Tanks

# PRICING SUMMARY

***SELLING PRICE (ExcludingTaxes/Fees/Trade)*** Surcharge Net FRET or Canadian GST Taxes Tire Tax Credit (Municipal Only) Sales/Usage Taxes License/Title/Etc.	Total Price \$115,109.56 \$0.00 \$0.00 (\$220.56) \$0.00
Misc Fees Trade  ***ACQUISTION COST (Include Trade if applies)*** Less Down Payment BALANCE DUE Per Unit PRICE (Total Order) BALANCE DUE (Total Order)	\$0.00 \$114,889.00 \$114,889.00 \$114,889.00 \$114,889.00

75% model you

purchase through VEH 93

Total Quantity: 1	Estimated Total Weight:	13,543# R	eference#: AFXQ0	066617A
X	r Signature Date	X Presented By: GREG DAY BALLARD MACK	Dealer Signature	Date
, Phone: Fax:		WORCESTER, MA: 508 753 1403 greg@ballardmack.		

# **GU712**



Dealer: BALLARD MACK 508 753 1403

Sales Person:

**GREG DAY** 

# CHASSIS SPECIFICATIONS

Customer:

TOWN OF LUNENBURG

Reference #: AFXQ066617A

Model Year: 2017

# ORDER/CUSTOMER/VEHICLE INFORMATION

Initial Registration Location, Massachusetts

Language, English

Idle Emission Certification, Idle Emission Certification - Carb 08 Type Of Service, Municipal

Vehicle Application Class, Normal Highway - Unlimited Operation On Concrete Or Asphalt With A Maximum 3% Grade; Limited Operation On Maintained Gravel/Packed Dirt With A Maximum 3% Grade; And Limited Operation On Concrete Or Asphalt With A Maximum 8% Grade. No Operation On Unmaintained Surfaces. (2 Axles) 50,000 Lbs (22,680 Kg) Max Gvw. (3 Axles) 63,000 Lbs (28,576 Kg) Max

Vehicle Type, Straight Truck Without Trailer

Vehicle Use And Body/Trailer Type, Dump . . . . . . On Hwy

Brake - Stopping Distance, Brake Regulation, Stopping Distance 94M

Price Book Level, 2017A Price Book Level

Product Class, Product Class 28

# OPERATING CONDITIONS

Topography, Grades <3% Greater Than 98% Of Driving Distance Max Grade 8%

Transportation Cycle, Vocational

Road Condition, Well Maintained Surfaced Roads >95% Driving

Ambient Temperature Upper Limit, Ambient Temperature Hot. Warmer Than 104 F (40 C) Allowed Up To 25 Hours Per Year

Chassis (Base Model), GU702 4-WHEEL Truck

Chassis Packaging Solutions, Clear Boc Package 7B Includes: Hhf Emission, B Box LH Rail, Air Tank(S) Under Frame Rails, Cab Mounted Exhaust Requires: 72 Gallon LH Sleeved Fuel Tank, Omit RH Tank,, Without Front Axle Spacing

# ENGINE/TRANSMISSION/CLUTCH

Engine, Mack MP7-345A 345 Hp @1500-1700 Rpm (Peak) 1250 Lb. Ft. Max. Torque @ 1000-1450 Rpm

Transmission, 6 Speed Automatic, Allison 3000-RDS-6 (3.49/0.65) Rugged Duty Series Gen 5 W/Prognostics, With Pto Provision Includes Transmission Cooler, External Oil Cooler, Internal Filter, And Oil Level Sensor Note: On/Off Highway 80,000 Lbs Gvw Mixer/Refuse On/Off Highway 80,000 Lbs Gcw Max 62,000 Lbs Gvw Max

Clutch, Omit Clutch

### **EXHAUST/EMISSIONS**

Dpf, Cleartech Hhf, Dpf & Scr Frame Mtd, Both RH Side Under Cab Exhaust AFTER-TREATMENT System, Exhaust

AFTER-TREATMENT System Diesel Partic Filter Ceramic Passive

Exhaust, Exhaust - Clear Boc, Single (R/S) Vert Exhaust Cab

## EXHAUST/EMISSIONS cont...

Mounted, Lower Venturi Diffuser, Turned End

Furnish Steel Painted Heat Shield For Frame Mtd Mack Cap Dpf

## ENGINE EQUIPMENT

Air Compressor, Meritor/Wabco 318 18.7 CFM

Alternator, Delco 12V 145A (24SI) BRUSH-TYPE

Batteries, (3) Mack 12V M/F Group 31 650/1950 CCA Threaded Stud Type With Kalas Cables

Bug Screen, Radiator Mounted

To -34 Degrees F (-37 Degrees C)

Mack Coolant Conditioner

Engine Brake, Mack Powerleash

Fan Drive, Behr Fan And Electronic Modulating Fan Drive

FUEL-WATER Separator, Mack With Manual Drain Valve (Integral With Primary Fuel Filter)

Hoses - Radiator/Heater, Mack Brand Epdm Radiator & Heater Hoses Oil Pan, Oil Pan

Oil Pan Heater, W/O Oil Pan Heater

W/O Engine Cold Start Aid

Tether Device, W/O Tether Device

# TRANSMISSION EQUIPMENT/DRIVELINES

Clutch Assist (Air), Information Is Not Required

Clutch Pedal, W/O Clutch Pedal

Mdrive - Parker Pump, W/O Parker Pump

Transmission Shift Settings, W/O Transmission Shift Settings

Transmission PTO1 Splitter Range, W/O PTO1 For Splitter Range

Transmission PTO2 Splitter Range, W/O PTO2 Splitter Range

Transmission Bell Housing, Aluminum

Allison Trans Dipstick Under Hood (With Single Exhaust)

W/O Transmission Dustproofing

Furnish For Allison Transmission With Direct Mount Cooler & Stainless Steel Coolant Tubes

Synthetic Lubricant - Transmission, Transynd Synthetic Lube For Allison Trans

Vocational Package - Allison, Allison Gen 5 Package #180, "BASIC REFUSE" Shift To Neutral With Parking Brake Engaged

Without Driveshaft Guard For Center Bearing

Driveline - Main, Spicer 1710 Hd With Coated Splines

## CAB (A thru G)

Mack (Bergstrom) Integral With Heater Combination Heater/Defroster And Conditioner

Air Restriction Monitor (Intake), Air Restriction Monitor (Displayed In CO-PILOT)

Switch In Dash With Wiring Routed To Cab Roof, Above LH+RH

Doors For Local Installation Of Strobe Lights

Cab Configurations, LH-DRIVE CA68 Conv Cab

Aux. Incab Pneumatic Line Cleanout

### CAB (A thru G) cont...

Cab Mounting, Air Suspension

Certified Weight

Two (2) Extra Dash Mounted Illuminated Toggle Switches

Park Brake And Engine Running Activated

(4) Dome Lamps - Door And Switch Activated

Fender Extensions, Fender Extensions

5LB (Abc Rated/Amerex) Mounted Between LH Seat Base And Door With Valve Aimed Rearward

Without Rear Axle Oil Temperature Gauge

W/O Inside/Outside Temp Gauge Option

Gear Shift, Dash Mounted Shifter

Diagonal Inside Driver Door & Vertical Inside Lower Right Hand A-POST

Grille - Hood Air Intake, Grille Painted Gray

### CAB (H thru R)

Headliner, Vinyl Covered Foam Padded Headliner

Painted Hood Latches

Horn - Electric, Dual Tone (Two Horns)

Identification/Clearance Lights, (Set Of 5) Bullet Type Chrome Marker And Clearance

IN-DASH Storage, W/O Upper Storage Option

Instrument Cluster Display, CO-PILOT Driver Display, Enhanced 4.5" Diagonal LCD Display with 4-BUTTON Stalk Control Without Diag

Instrument Panel, Woodgrain Finish

Interior Trim (Pedigree - Slate Gray) Vinyl Headliner, Cloth/Vinyl Seat Trim, 2 Netted Storage Compartments And Center Cb Radio Mounting Provisions In Overhead Console, Rear Panel With Storage Pouch, Signature Polyurethane Floor Mat, Brushed Nickel Instrument Panel With Chrome Gauge Bezels, Diamond Pattern Fabric On Doors, Padded Interior Sun Visors Both Sides, 2 Spoke Urethane Grip Brushed Nickel Spokes, Brushed Nickle Mack Horn Cap, Adjustable Tilt/Telescoping Steering Column, Hand Crank Lh/Rh Windows, 2 General Overhead Lights, 1 Driver Overhead Light & 1 Map non-glare Overhead Light, 2 12V Power Sources, 2 Cup Holders, 2 Trash Bag Hooks, 2 Coat Hangers, rh Storage Compartment, Seat Belt Retractors, Rh Door Peep Window, Lighted Door Mounted Map Pocket Lights.

Mirrors - Exterior, West Coast, RH & LH Bright Finish Mack Bulldog Heated

Mirrors - Convex Type, Bright Finish, LH & RH 8.0" Dia Heated;

Mounted Below Lower Arm Of West Coast Mirror Overhead Console, (2) Storage Compartments And Net Retainers With Center Mounting For Cb Provisions

Personalized Name Plate

Am/Fm Premium Stereo, CD-PLAYER, MP3, Weatherband, Handsfree Interface, Bluetooth

## CAB (S thru Z)

Seat - Driver, Bostrom Talladega 915 (MID-BACK) Air Suspension

Seat - Rider, Mack Fixed (MID-BACK) NON-SUSPENSION

Seat Arm Rests, W/O Arm Rests

Seat Covering, Cloth With Vinyl Trim Driver And Rider

### CAB (S thru Z) cont...

Seat Belts/Retractors, Lap And Shoulder With Cab Mounted Shoulder Belt With Adjustable D-RING For Driver & Rider Seats

W/O Roof Vent Ventilation

Steering Column, Adjustable Tilt Telescope

Steering Wheel, Two Spoke Urethane Grip Brushed Nickel Spokes

Storage Pouch Rear

Sun Visor - Interior, Both Sides (Padded Vinyl)

Turn Signal Switch, Self Cancelling Turn Signals

Windshield, 2-PIECE Windshield

Windshield Washer Reservoir, Windshield Washer Reservoir Installed

# FRAME EQUIPMENT/FUEL TANKS

Bumper - Front, EXT.-SWEPT BACK-STEEL Channel 122.5"/3112 mm BBC

Crossmembers, Boc And Intermediate(S) Steel Hd BACK-TO-BACK Channel

Crossmember (Behind Rear Axle), W/O Optional Crossmembers Behind Rear Axle/Bogie

Without Fifth Wheel Mounting Angles

Front Frame Extension, 6" Bolt On Frame Extension

Towing Device - Front, Hooks

Fuel Tank - LH, 72 Gallon (276 L) Aluminum 26" Diameter

Fuel Tank - RH, Omit RH Standard

Fuel Tanks - Bright Finish, W/O Special Finish Fuel Tank

8.7 Gallon (33 L) Def Tank

Without Def Tank Cover

W/O Fuel Line Option

Furnish Standard Fuel Tank Cap

W/O Isolated Tank(S)

# FRONT AXLE/EQUIPMENT/TIRES

Front Axle, 14600# (6600kg) Mack FXL14.6 Straight Spindle/Unitized

Tires Brand/Type - Front, Bridgestone - Tubeless Radial Ply, (2) 12R22.5 16 H M843 (All Position)

Wheels - Front, Steel Disc (10-HOLE)

(2) 22.5x8.25 Accuride 10-HOLE Hub Piloted (11 1/4"/286mm Bc) (Two Hand Hole)

Wheels - Polished (Front), W/O Front Disc Wheel Bright Finish

Brakes - Front, Bendix ES165-05D, 16.5" X 5" Cast Spider

Brake Drums - Front, Cast Outboard Mounted

Hubs - Front, Ferrous

Slack Adjusters - Front, Haldex - Automatic

Springs - Front, Mack Taperleaf 14600# (6623kg) Ground Load Rating Steering, Sheppard SD110

# REAR AXLE/EQUIPMENT/TIRES/RATIOS

Rear Axle, RS-26-185 Meritor Rear Axle

Tires Brand/Type - Rear, Bridgestone - Tubeless Radial Ply, (4) 12R22.5 16 H L320 (Traction)

Carrier/Rallo - Rear Axle, Malleable Housing, 5.38 Ratio

Wheels - Rear, Steel Disc (10 Hole)

(4) 22.5x8.25 (210 mm) Accuride 10-HOLE Hub Piloted (11 1/4" Bolt Circle) (Five Hand Hole)

# REAR AXLE/EQUIPMENT/TIRES/RATIOS cont...

Wheels - Polished (Rear), W/O Rear Disc Wheel Bright Finish

Brakes - Rear, Bendix ES165-07D, 16.5x7 Cast Spider

Brake Drums - Rear, Cast Oulboard Mounted

Hubs - Rear, Conmet Iron Preset Rear Hub With Integrated Spindle

Slack Adjusters - Rear, Haldex - Automatic

Suspension - Rear, 26,000 Rear Spring Suspension With Helper Suspension - Height Control Kit, W/O Air Suspension Height Control Air Suspension Dump Warning, Without Air Suspension Dump

Warning

Rear Spring Brake Chambers 30/30 Type

Locking Main Differential, Driver Controlled

W/O Protective Nylon Spacer Between Discs Wheel To Drum

Standard Wheel Stud Option

# FRAME/WHEELBASE/PLATFORM

Wheelbase, 203" (5156 mm) WB 115" CA (2921 mm)

Platform, 177" LP (4495 mm) 62" AF (1580 mm) Used With 203" WB

Frame Rails, 11.811" X 3.54" X .32" (300 X 90 X 8mm) Steel Section

Modulus: 17.7 Cu ln/Rbm 2,120,000 ln Lbs Per Rail

Frame Reinforcement - Inside, W/O 5MM Inside Channel Reinforcement

## AIR/BRAKE

Air Dryer, Meritor/Wabco Heated Air Dryer, 1200 With Coalescing Oil

Under Battery Box, Remaining Between Frame Rails

ANTI-LOCK Brake System, Bendix With Traction Control

Air Control Valves - Vendor, Bendix Switches And Valves Where

Drain Valves, Manual (Petcock) Drain Valves On All Tanks

WIO Trailer Access Package

# TRAILER CONNECTIONS

Trailer Air Connections, Omit Trailer Air Brake Connections

Without Hose Tender

W/O Trailer Air Hoses

W/O Trailer Electrical Cable

Trailer Electrical Receptacle, Without Trailer Electrical Receptacle

Omit Trailer Connectors Holder

**ELECTRICAL** 

BACK-UP Alarm, W/O BACK-UP Alarm

W/O Optional Dash Mtd. Light

Chassis & Power Harness With Heavy Duty Casing

"BODY LINK" III With Cab PASS-THRU

Rear Lighting, Furnish Rear Lighting

Paint - Cab Exterior, Single Color, Mack White (High Gloss)

Paint - Chassis Running Gear, Mack Black (Urethane)

Paint - Bumper, Same As Chassis Running Gear

# PAINT PROCESS CODES

Same Color As Chassis Running Gear (5ZB-A1X)

Chassis Running Gear - Std Color (Mack Black) (6AB-Z1X)

W/O Paint For Fuel Tank (7HB-Z1X)

W/O Custom Paint For Hub&drum/Spokes (5YB-Z1X)

W/O Custom Painted Front/Rear Rim/Wheel (6BB-Z1X)

# PTO/SPECIALTY/ADDITIONAL EQUIPMENT

PTO - Rear Engine (Repto), Without Rear Engine Power Take Off

PTO - Control, PTO Switch And Light With Wiring And Piping For Local Installation

Furnish TC421 For Use With Allison 3000 Series Transmission

W/O Special Decals

# V-MAC IV PROGRAMMABLE PARAMETERS

Daytime Running Lights Without Override Switch

Fuel Economy Incentive For Use With Instrument Cluster Display (C0J 0002)

Governor Seltings For Use With Automatic Transmissions

# DEALER INFORMATION

Engine Warranty, 2YR/250,000 Miles Engine Warranty US10

Marketing Promotion, No Fmv Lease, Trade Back Residual Or Trade

In With Mack Participation

# SOFT PRODUCTS/BULLDOG PROTECTION

2 Years Coverage

No Partnered Services Provided

# ESTIMATED WEIGHT TOTAL(s)

Front 7761#, Rear 5782#, Total 13543#

CIP# DPW 16-11

# Form B-1 Capital Planning Committee Town of Lunenburg, Massachusetts Capital Equipment Request

Department: DPW	Contact Person: Jack Rodriquenz	Date: 12/2/2015
,	<del></del>	
Equipment to be acquired (quantity and descrip     If the equipment is a vehicle, please a	otion). Include detailed list of accessories or option ttach Form C.	S.
Catch Basin Cleaning Unit - No Truck		
2. Intended Use of Equipment:		
Clean drainage structure of sand and de	bris.	
Fiscal Year Purchase Requested:		-V.04[-]
FY 17 X FY 18	FY 19 FY 20	FY 21
FY 22 anticipated large pur	chases	
4. Rank the Priority Within Year Requested:	#ofrequests	
5. Purpose of Expenditure (Check All That Apply		
Scheduled Replacement X	Present Equipment Obsolete Expanded S	
Replace Worn Equipment X	Increased Safety X New Opera Improved Procedures/Records Others	tion []
Legal Requirement	Improved Procedures/Records Others	
If replacement, what is being repl How many hours currently used? Financial Impact on Operating Bu	aced? Same unit, 25 years old  Idget (maintenance, cost of operation, required training)	?
Minimize breakdowns and overal	down time. Current unit is severely cracked.	
Will above expenditure 1) increas 3) eliminate need for additional pour N/A	se number of personnel, 2) reduce number of personnel ersonnel?	, or
Will above expenditure 1) increas Give details. Improve efficiency, storm v	se operating cost, or 2) reduce operating costs with imp	roved efficiency?
Will Above Expenditure Require		
6. Alternatives to New Equipment Purchase Rev		Rental
Transfer/Borrow Equipment From A		
Contract Services Out to Private Out Services Out Se	ompany [:-]	
Used Equipment		

. Cost Information -		Total	Cost	In Fiscal Yea	r Ending		
	Per Unit	Otal	Year	Г			
Dries		87,12	25 0	June 30,			
Purchase Price			1	June 30,			
inancing/Other Costs			2	June 30,			
ess Trade In		87,1	25 3	June 30,			
Net Purchase Cost			4	June 30,			
			5	June 30,			
Estimated Annu	al Maintenance (	Cost: 150		6	Year Total:		
*Oil and lube	only does not it	nclude unforesee	n repairs				
"Oli aliu iube	only, about the						
8. Manufacturer/Ver	dor Warranties F	Provided:	1 year				
O. Manarasta su							
		wilnmant'					
9. Estimated Usage							
	* Is Equipr	nent Use Season	al? <u>No</u>		ha woor di	aily Spring/	'Fall
	* Estimated We	nent Ose Season eeks Per Year Us	ed: <u>Regular</u>	throughout	ne year - u	any opinig	
* For Weeks Used,	- it to all Assort	ago Days Per We	ek: 4-5				
* For Weeks Useu,	Later transfer	•					
* For Vyeeks Osed,	sed, Estimated h	Hours Per Day Us	sed: <u>8</u>				
* For Weeks Osed, * For Days U	sed, Estimated h	Hours Per Day Us	sed: <u>8</u>				
* For Days U	sed, Estimated h	Hours Per Day Us ful Life of Equipm	sed: <u>8</u> ent: <u>20 year</u>	s			
* For Days U	sed, Estimated H Estimated Usef Aside from the	Hours Per Day Us ful Life of Equipm	ent: <u>20 year</u> tch basin cle	s aner is our fi	rst line of d	efense for	our storm
* For Days U	sed, Estimated H Estimated Usef Aside from the	Hours Per Day Us ful Life of Equipm	ent: <u>20 year</u> tch basin cle	s aner is our fi	rst line of d	efense for	our storm
* For Days U  10. Justification:  water syste	sed, Estimated H Estimated Usef Aside from the m. This operation	Hours Per Day Using Life of Equipm  Sweeper, the care  Town-wide is a	ent: <u>20 year</u> tch basin cle	s aner is our fi component o	rst line of d	efense for Water Pe	our storm
* For Days U  10. Justification:  water syste	sed, Estimated H Estimated Usef Aside from the m. This operation	Hours Per Day Us ful Life of Equipm	ent: <u>20 year</u> tch basin cle	s aner is our fi component o	rst line of d	efense for Water Pe	our storm
* For Days U  10. Justification:  water syste	sed, Estimated H Estimated Usef Aside from the m. This operation	Hours Per Day Using Life of Equipm  Sweeper, the care  Town-wide is a	ent: <u>20 year</u> tch basin cle	s aner is our fi component o	rst line of d	efense for Water Pe	our storm
* For Days U  10. Justification:  water syste	sed, Estimated H Estimated Usef Aside from the m. This operation	Hours Per Day Using Life of Equipm  Sweeper, the care  Town-wide is a	ent: <u>20 year</u> tch basin cle	s aner is our fi component o	rst line of d	efense for Water Pe	our storm
* For Days U  10. Justification:  water syste	sed, Estimated H Estimated Usef Aside from the m. This operation	Hours Per Day Using Life of Equipm  Sweeper, the care  Town-wide is a	ent: <u>20 year</u> tch basin cle	s aner is our fi component o	rst line of d	efense for Water Pe	our storm
* For Days U  10. Justification:  water syste	sed, Estimated H Estimated Usef Aside from the m. This operation	Hours Per Day Using Life of Equipm  Sweeper, the care  Town-wide is a	ent: <u>20 year</u> tch basin cle	s aner is our fi component o	rst line of d	efense for n Water Pe	our storm
* For Days U  10. Justification:  water syste	sed, Estimated H Estimated Usef Aside from the m. This operation	Hours Per Day Using Life of Equipm  Sweeper, the care  Town-wide is a	ent: <u>20 year</u> tch basin cle	s aner is our fi component o	rst line of d	efense for n Water Pe	our storm
* For Days U  10. Justification:  water syste	sed, Estimated H Estimated Usef Aside from the m. This operation	Hours Per Day Using Life of Equipm  Sweeper, the care  Town-wide is a	ent: <u>20 year</u> tch basin cle	s aner is our fi component o	rst line of d	efense for n Water Pe	our storm
* For Days U  10. Justification:  water syste	sed, Estimated H Estimated Usef Aside from the m. This operation	Hours Per Day Using Life of Equipm  Sweeper, the care  Town-wide is a	ent: <u>20 year</u> tch basin cle	s aner is our fi component o	rst line of d	efense for n Water Pe	our storm
* For Days U  10. Justification: water syste classified a	sed, Estimated H Estimated Usef Aside from the m. This operations 'good houseke	Hours Per Day Use ful Life of Equipm a sweeper, the case on Town-wide is a seping' and 'best r	ent: 20 year tch basin cle a necessary management	seaner is our fi	rst line of d	efense for Water Pe	our storm
* For Days U  10. Justification: water syste classified a	sed, Estimated H Estimated Usef Aside from the m. This operations 'good houseke	Hours Per Day Use ful Life of Equipm a sweeper, the case on Town-wide is a seping' and 'best r	ent: 20 year tch basin cle a necessary management	seaner is our fi	rst line of d	efense for Water Pe	our storm
* For Days U  10. Justification:  water syste	sed, Estimated H Estimated Usef Aside from the m. This operations 'good houseke	Hours Per Day Use ful Life of Equipm a sweeper, the case on Town-wide is a seping' and 'best r	ent: 20 year tch basin cle a necessary management	seaner is our fi	rst line of d	efense for Water Pe	our storm
* For Days U  10. Justification: water syste classified a	sed, Estimated H Estimated Usef Aside from the m. This operations 'good houseke	Hours Per Day Use ful Life of Equipm a sweeper, the case on Town-wide is a seping' and 'best r	ent: 20 year tch basin cle a necessary management	seaner is our fi	rst line of d	efense for Water Pe	our storm
* For Days U  10. Justification: water syste classified a	sed, Estimated H Estimated Usef Aside from the m. This operations 'good houseke	Hours Per Day Use ful Life of Equipm a sweeper, the case on Town-wide is a seping' and 'best r	ent: 20 year tch basin cle a necessary management	seaner is our fi	rst line of d	efense for Water Pe	our storm
* For Days U  10. Justification: water syste classified a	sed, Estimated H Estimated Usef Aside from the m. This operations 'good houseke	Hours Per Day Use ful Life of Equipm a sweeper, the case on Town-wide is a seping' and 'best r	ent: 20 year tch basin cle a necessary management	seaner is our fi	rst line of d	efense for Water Pe	our storm
* For Days U  10. Justification: water syste classified a	sed, Estimated H Estimated Usef Aside from the m. This operations 'good houseke	Hours Per Day Use ful Life of Equipm a sweeper, the case on Town-wide is a seping' and 'best r	ent: 20 year tch basin cle a necessary management	seaner is our fi	rst line of d	efense for Water Pe	our storm

# STEDT HYDRAULIC CRANE



27 Washington Street | Westborough, MA | 01581 | Phone: 800.338.STET (7838) | 508.366.9151 | Fax: 508.870.1731 | www.stetcoproducts.com

C.B. CRANE & BODY DAY, 82,5000 R NO CABY CLASSIS

September 23, 2014

Attn: Greg Lunenberg Highway Department

FAX 978-582-4152 PHONE 978-732-8662 aurent Fres - 87,125

# Stetco model 950T/13 catch basin cleaner

13'6" Two piece boom Loader telescopic Fail safe planetary winch mounted on heel of boom 2,000 lb Winch line capacity 200 FPM winch line speed Winch: 60' of 3/8" dia. wire rope 35' Reach below ground 2,860 lb Lift capacity @ 13' 4.130 lb Lift capacity @ 10' 9,260 lb Lift capacity @ 5'

Lift cylinder and rod equipped w/ self aligning bushing

(2) Control stations one on each side of unit Rack and pinion rotation - 370 swing

Grease manifold for rotation bushing (one piece bushing) (2) Hose reels - 60' hose

Transmission mount PTO – and hydraulic pump

Hydraulic oil tank w/ filter assy. Boom up alarm

Tall mast

Stetco 950 painted any one color Stetco 950 installed on chassis

Throttle advance

15" Orange peel bucket

Winter/summer valve installed

10' Trip edge plow assy Viking 10' power reverse funtion

10' Stetco debris body

6 Yard capacity

30" high sides full perimeter Splash shields full perimeter

3/16" Thick steel sides - Cor-ten steel

3/16" Thick steel floor - Cor-ten steel

3/16" Thick tailgate - Cor-ten steel

HD header

Under body hoist - Class 50 hoist

Water tight tail gate

Mechanical lock on tail gate

(2) Gate locks @ rear

Shovel bracket and 10' shovel furnished

3' Aluminum tool box

Body installed

	Body painted any one color
	Total net price
	Chassis Notes:
	112" CA Code # Cummins for throttle advance Factory plow lamp switch in dash
<b>(</b> 1)	Lead time: 75 days from receipt of chassis Terms: Net 30 days Delivery : Stedt to deliver
	Sincerely Yours, Stedt Hydraulic Crane Co.  Frank A. Santucci
	Signature

Date\_\_

CIP#

DPW 16-07

# Form B-1 Capital Planning Co

# Capital Planning Committee Town of Lunenburg, Massachusetts Capital Equipment Request

	Department: DPW - Vehicles Contact Person: Jack Rodriquenz	Date: 12/2/2015
1.	Equipment to be acquired (quantity and description). Include detailed list of access     If the equipment is a vehicle, please attach Form C.	sories or options.
	1-Ton Dump Truck with Plow	
2.	2. Intended Use of Equipment:	
	Year round interdepartmental use - vehicle rotation.	
3.	3. Fiscal Year Purchase Requested:  FY 17 X FY 18 FY 19 FY	20 FY 21
	FY 22 anticipated large purchases	
4	4. Rank the Priority Within Year Requested: #ofofred	uests
5	5. Purpose of Expenditure (Check All That Apply)  Scheduled Replacement X Present Equipment Obsolete  Replace Worn Equipment X Increased Safety  Legal Requirement Improved Procedures/Records  If replacement, what is being replaced? Same - 1994 model  How many hours currently used?  Financial Impact on Operating Budget (maintenance, cost of operation,  Less maintenance cost.  Will above expenditure 1) increase number of personnel, 2) reduce num  3) eliminate need for additional personnel?  No	
	Will above expenditure 1) increase operating cost, or 2) reduce operating Give details.  Reduced operating costs with improved efficiency.	ng costs with improved efficiency?
	Will Above Expenditure Require Additional Space?No	
6	6. Alternatives to New Equipment Purchase Reviewed:	n i wat Partit
	Transfer/Borrow Equipment From Another Department	Equipment Rental  Lease Purchase
	Contract Services Out to Private Company	Other:
	Purchase Equipment Jointly With Another Town  Used Equipment	
	Used Equipment X	

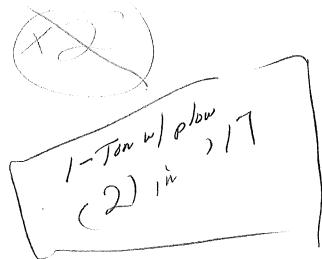
7. Cost Information -	Attach three written	estimates.		_ "	
	Per Unit	Total	Cost Ir Year	n Fiscal Year Ending	
Purchase Price		\$ 53,300.00	0	June 30,	
Financing/Other Costs			1	June 30,	
Less Trade In		?	2	June 30,	
Net Purchase Cost		\$ 53,300.00	3	June 30,	
Net Purchase Cost			4	June 30,	
			5_	June 30,	
Estimated Annu	ual Maintenance Cost	:: 150		6 Year Total:	
*Oil and lube	e only, does not inclu	de unforeseen re	pairs		
8. Manufacturer/Ver	ndor Warranties Prov	ided: .	1 year / 1	12,000 miles	
9. Estimated Usage					
	* Is Equipmer	t Use Seasonal?	No		
	* Estimated Week	s Per Year Used:	52		
* For Weeks Used	l, Estimated Average	Days Per Week:	5		
* For Days l	Jsed, Estimated Hou	rs Per Day Used:	8		
	Estimated Useful L			ears	
	Louinate		hin the DE	PW had one of these vehicle for the day to use	э
10. Justification:_ <u>V</u>	ehicle rotation, each	division/crew with	IIII trie Di	PW had one of these vehicle for the day to use	
					•
					-
			w		-
					_
44 If this is first re	equest for equipment	needed immedial	tely, expla	ain how need created.	
11. 11 (11)5 15 11 00 10	,44001.01.01				_
					_

# FORM C Criteria & Reasoning Vehicle Purchase

Date: <u>12/2/15</u> To: Capital Planning Committee		
rom: DPW		
I. Department: <u>DPW</u>		
I. Department: <u>DPW</u> 2. Type of Vehicle: <u>1 Ton Dur</u>	np with Plow	
3. Hours of Use Required:		
4. Need:	v llsed	
4. Need: 5. Type of Purchase: New	XO3cu	
6. Criteria:		
	Current	Replacement
Age	1994	New
	21/2	
Mileage/Hours	N/A	
Ho lutin	Poor	
Overall Condition		
Inspection-State	MA	
·		
Inspection-Independent		
V. I. I. Cauron		
Vehicle Source		
Repair History (accident?)		
	A. Longovity	
7. Reasoning (used versus new	/);LOHEEVICY	
N= 6E2 220	Used	
8. Cost: New \$53,330 9. Funding Source – Request:	CPC X	Other
9. Funding Source – Request.	O. O	
If other – document.		



October 2, 2014 Lunenburg DPW Attn.: Greg Smith PH: 978-732-8662 qsmith@lunenburgonline.com



### Please find below a Budget quote for a Ford F350 chassis per the Plymouth County

Commissioners Cooperative Contract #PCC-121314. M.G.L. c.30B applies to the procurement of all commodities quoted. Plymouth County contract items have been collectively purchased pursuant to M.G.L. c.30B sec. 1c and M.G.L. c.7 sec 22B. The governmental body is responsible to determine the applicability of M.G.L. c30B to off contract items, including but not limited to, off contract items that have already been properly procured under M.G.L. c30B sec. 1c and M.G.L. c.7 sec. 22A (purchases from a vendor on contract with the Commonwealth), other contracts procured under M.G.L. c 30B sec. 1c and M.G.L. c.7 sec. 22B or any M.G.L. c. 30B contract between the vendor and the jurisdiction. All off contract Items must be procured under M.G.L. c, 30B.

2015 Ford F350 chassis per contract spec. Four wheel drive - Dual rear wheels 141" wheelbase - 60" Cab to Axle 13,300 lb. GVWR Color: Oxford White Paint Body Omaha Orange 6 speed Automatic transmission Air conditioning Snow Plow prep package Manual trailer tow mirrors ICC cab clearance lights Four factory upfitter switches Manual Locks and Windows (7) All terrain tires Limited Slip Rear Axle Electronic 4WD Cab steps Factory trailer brake controller 2 - 3 cu. Yd. dump body w/ central hydraulic system I Pack cross chassis tool compartment 84" CA Upgrade Poly Rear Fenders Fisher 9' snow plow package (HD) Combo pintle/ball hitch 7 RV Blade	\$ \$22,995.00 4,295.00 included included 995.00 included included included included included included included included included 395.00 390.00 185.00 370.00 295.00 10,995.00 3,595.00 225.00 995.00 6,195.00 495.00
	\$52,655.00

Total:

Sincerely, Jay Matisko Fleet Manager

Phone: 508-573-2622 Fax: 508-573-2722 jmatisko@mhq.com

#### Form B-1

Department: DPW - Vehicles	Contact Person: Jack Rodriquenz	Date: 12/2/2015
Equipment to be acquired (quantity and desc If the equipment is a vehicle, please	cription). Include detailed list of accessories or options attach Form C.	5.
6 Wheel Dump with Plow and Sander		
2. Intended Use of Equipment:		
Road maintenance and front line winte	r operations	
3. Fiscal Year Purchase Requested:		
FY 17 X FY 18	FY 19 FY 20	FY 21
FY 22 anticipated large p	urchases	
4. Rank the Priority Within Year Requested:	#ofrequests	
5. Purpose of Expenditure (Check All That App		
Scheduled Replacement	Present Equipment Obsolete Expanded S Increased Safety New Operat	
Replace Worn Equipment X  Legal Requirement	Increased Safety New Operat  Improved Procedures/Records Others	
If replacement, what is being re	· —	
How many hours currently used		,
Significantly lower maintenance	e, more reliable	
Will above expenditure 1) incre 3) eliminate need for additional No	ase number of personnel, 2) reduce number of personnel, opersonnel?	or
Will above expenditure 1) incre Give details. Reduced operating costs with in	ase operating cost, or 2) reduce operating costs with impro	oved efficiency?
Will Above Expenditure Require	e Additional Space? No	
6. Alternatives to New Equipment Purchase Re		r1
Transfer/Borrow Equipment From		=
Contract Services Out to Private (	<u> </u>	nase
Purchase Equipment Jointly With  Used Equipment	X	

7. Cost Information -	Attach three written	estimates.				
7. 0000 11110111111111111111111111111111	Per Unit	Total	Cost Ir Year	r Fiscal Yea	r Ending	
Dh and Drice		\$194,750.00	0	June 30,		
Purchase Price			1	June 30,		
Financing/Other Costs			2	June 30,		
Less Trade In		\$194,750.00	3	June 30,		
Net Purchase Cost			4	June 30,		
			5_	June 30,		
Estimated Annu	al Maintenance Cost	200-800		6	Year Total:	
*Oil and lube	only, does not inclu	de unforeseen re	pairs			
8. Manufacturer/Ven	dor Warranties Prov	ided: .	1 year			
9. Estimated Usage						
	* Is Equipmer	it Use Seasonal?	No			
	* Estimated Week	s Per Year Used:	52			
* For Weeks Used	, Estimated Average	Days Per Week:	5			
* For Days U	Jsed, Estimated Hou	rs Per Day Used:	8			
	Estimated Useful L					
10. Justification:_P	lease see attached r	arrative.				
10. Justineation1	icase see attacks					
-						-
						_
						_
-						
						_
						_
11 If this is first re	quest for equipment	needed immedia	tely, expla	in how need	d created.	
, , , , , , , , , , , , , , , , , , ,	•					_

ate: <u>12/2/15</u> o: Capital Planning Committee		
rom: <u>DPW</u>		
B. Hours of Use Required:	vith Plow and Sander unit e and front line winter operation X Used	ns
5. Criteria:		
	Current	Replacement
Age	13 Years	New
76~	N1/A	
Mileage/Hours	N/A	
Overall Condition	Fair	
Inspection-State	MA	
Inspection-Independent		
Vehicle Source		
Repair History (accident?)		
7. Reasoning (used versus new	):Longevity	
New \$194.75	0Used	
a Funding Source - Request: (	CPC X Oth	ner
It other – document:		
10.		



### CHASSIS SPECIFICATIONS SUMMARY

May 27, 2015

MACH	FUNCTION	OI FOIL TO THE	
	ACK GU712		SNOW PLOW On/Off Hwy STRAIGHT TRUCK WITH TRAILER
Engine	MACK MP7-405M	Transmission Clutch	RTO-16908LL MANUAL ADJUSTING
Front Axle	20,000# FXL20	Rear Axle Suspension	30,000# RS-30-185 Ratio 4.89 30,000# MULTILEAF
Suspensior Tires	Front: 315/80R22.5	Wheels	22.5x9.0 STEEL DISC (10-HOLE) 22.5x8.25 STEEL DISC (10 HOLE)
Ratings	Rear: 11R22.5 GVW: 44,020#	Fuel Tanks	LH: 72gal
Fifth Wheel	GCW: 60,000#	Sleeper	
1			

#### PRICING SUMMARY

PRICING SOMMAN	Total Price
***SELLING PRICE (ExcludingTaxes/Fees/Trade)***	\$117,129.42 \$0.00
Surcharge	\$0.00
Net FRET or Canadian GST Taxes	(\$240.42)
Tire Tax Credit (Municipal Only)	<b>\$0.00</b>
Sales/Usage Taxes	
License/Title/Etc.	
Misc Fees	\$0.00
Trade	\$116,889.00
***ACQUISTION COST (Include Trade if applies)***	
Less Down Payment	\$116,889.00
BALANCE DUE Per Unit	\$116,889.00
PRICE (Total Order)	\$116,889.00
BALANCE DUE (Total Order)	

chassis purchased through VEH 93

thanks

	1.7.4-138/01	abt: 14 976#	Reference#: AFXQ060616B	
Total Quantity: 1	Estimated Total Wei	giit. 14,070#		
X	Customer Signature Date	X Presented B GREG BALLA	Dealer Signature Date DAY RD MACK	
, Phone: Fax:		508.75	ESTER, MASS 01604 3 1403 ballardmack.com	

# MAEK

### Prepared For: TOWN OF LUNENBURG

#### Presented By:

BALLARD MACK 442 SOUTHWEST CUTOFF WORCESTER, MASS 01604 508 753 1403

508 753 1403 greg@ballardmack.com Page 1

May 27, 2015 2016 GU712 Ref#: AFXQ060616B

Description	
RDER/CUSTOMER/VEHICLE INFORMATION	Opt
INITIAL REGISTRATION LOCATION, UNITED STATES, MASSACHUSETTS	Std
LANGUAGE, ENGLISH	Std
IDLE EMISSION CERTIFICATION, IDLE EMISSION CERTIFICATION - CARB 08	Opt
TYPE OF SERVICE, MUNICIPAL	Opt
VEHICLE APPLICATION CLASS, HEAVY VOCATIONAL - Unlimited operation on concrete, asphalt, or maintained	·
gravel/packed dirt with a maximum 3% grade; limited operation on unmaintained surfaces with maximum 5% grade; limited	
operation on concrete, asphalt, or maintained gravel/packed dirt with maximum 10% grade. (3 AXLES) 78,000 lbs (35,281	
kg) MAX GVW. (4 AXLES) 80,000 lbs (36,288 kg) MAX GVW.	Inc
CARRIER APPLICATION, NOT AVAILABLE	Inc
VEHICLE TYPE, STRAIGHT TRUCK WITH TRAILER	
VEHICLE USE AND BODY/TRAILER TYPE, SNOW PLOW On/Off Hwy	
COMMODITIES, DIRT	Opt
60000# (27216 kg) GCW RATING	Std
BRAKE - STOPPING DISTANCE, BRAKE REGULATION, STOPPING DISTANCE 94M (310FT)	
FILE STATUS, QUOTE	Std
PRICE BOOK LEVEL, 2016B PRICE BOOK LEVEL	Opt
PRODUCT TYPE, PRODUCT TYPE - CML42R TRUCK	Opt
PRODUCT CLASS, PRODUCT CLASS 28	Std
BACK OFFICE PROCESS, BACK OFFICE PROCESS	
DPERATING CONDITIONS	Opt
TOPOGRAPHY, GRADES <3% GREATER THAN 98% OF DRIVING DISTANCE MAX GRADE 8%	Std
TRANSPORTATION CYCLE, VOCATIONAL	Opt
ROAD CONDITION, WELL MAINTAINED SURFACED ROADS >95% DRIVING DISTANCE	Opt
AMBIENT TEMPERATURE UPPER LIMIT, AMBIENT TEMPERATURE HOT. WARMER THAN 104 F (40 C) ALLOWED UP	
TO 25 HOURS PER YEAR	
BVS	Std
CHASSIS (BASE MODEL), GU702 4-WHEEL TRUCK	Opt
CHASSIS (BASE MODEL), GOTOZ 4 WILLIAM STANKER OF THE CHASSIS PACKAGING SOLUTIONS, CLEAR BOC PACKAGE 7A INCLUDES: HHF Emission, B Box LH Rail, Air Tank(s)  CHASSIS PACKAGING SOLUTIONS, CLEAR BOC PACKAGE 7A INCLUDES: HHF Emission, B Box LH Rail, Air Tank(s)	
Under B Box - remaining on rail, Cab Mounted Exhaust REQUIRES: 72 Gallon LH Sleeved Fuel Tank, Omit RH Tank,	
ENGINE/TRANSMISSION/CLUTCH	Opt
ENGINE, MACK MP7-405M 405 HP @1500-1900 RPM (PEAK) 1480 LB FT. MAX TORQUE @ 1050-1350 RPM	Opt
TRANSMISSION, 10 SPEED MANUAL (OVERDRIVE), FULLER RTO-16908LL (14.56/0.74)	Opt
CLUTCH, MANUAL ADJUSTING, CL39DC12 EATON ADVANTAGE EZ-PEDAL, 9-SPRING, 2-PLATE, 15.5" CERAMIC	
CLUTCH, 4 PADDLES, MANUAL ADJ	
EXHAUST/EMISSIONS	Inc
DPF, CLEARTECH HHF, DPF & SCR FRAME MTD, BOTH RH SIDE UNDER CAB	Std
EXHAUST AFTER-TREATMENT SYSTEM, EXHAUST AFTER-TREATMENT SYSTEM DIESEL PARTIC FILTER CERAMIC	
PASSIVE REGEN	Std
DPF SMART SWITCH, NO INHIBIT DPF REGENERATION SWITCH	Opt
EXHAUST, EXHAUST - CLEAR BOC, SINGLE (R/S) VERT EXHAUST CAB MOUNTED, LOWER VENTURI DIFFUSER,	•
TURNED END	Std
FURNISH STEEL PAINTED HEAT SHIELD FOR FRAME MTD MACK CAP DPF	
ENGINE EQUIPMENT	

Description	
AIR COMPRESSOR, MERITOR/WABCO 318 18.7 CFM	Std
AIR CLEANER, 11" x 30" (279 mm x 762 mm) UNDER HOOD SINGLE ELEMENT DRY TYPE WAIR INTAKE FROM BOTH	Std
SIDES OF HOOD	Opt
INSIDE/OUTSIDE AIR INTAKE W/IN-CAB CONTROL FOR SNOWPLOWS	Opt Opt
ALTERNATOR, DELCO 12V 145A (24SI) BRUSH-TYPE	Std
BATTERIES, (3) MACK 12V M/F GROUP 31 650/1950 CCA THREADED STUD TYPE W/KALAS CABLES	Std
BUG SCREEN, RADIATOR MOUNTED	Std
TO -34 DEGREES F (-37 DEGREES C)	Std
MACK COOLANT CONDITIONER	Std
ENGINE BRAKE, MACK POWERLEASH	Opt
ENGINE BLOCK HEATER, 120V 1500 WATT ENGINE BLOCK HEATER	Std
FAN DRIVE, BEHR FAN AND ELECTRONIC MODULATING FAN DRIVE	Opt
FUEL-WATER SEPARATOR, DAVCO 382, (FLUID HTD) FUEL HEATER/WATER SEPARATOR W/VENDOR PRIM &	Орг
MACK SEC FUEL FILTER	Std
HOSES - RADIATOR/HEATER, MACK BRAND EPDM RADIATOR & HEATER HOSES	Opt
OIL PAN, CORROSION RESISTANT OIL PAN	Std
OIL PAN HEATER, W/O OIL PAN HEATER	Opt
ELECTRIC PREHEATER	Std
STARTER, 12 VOLT DELCO MTHD 39	Std
TETHER DEVICE, W/O TETHER DEVICE	Sid
TRANSMISSION EQUIPMENT/DRIVELINES	Opt
CLUTCH ASSIST (AIR), MECHANICAL CABLE	Opt Opt
CLUTCH PEDAL, OPEN GRATED TYPE	Std
mDRIVE - PARKER PUMP, W/O PARKER PUMP	Opt
TRANSMISSION SHIFT SETTINGS, W/O TRANSMISSION SHIFT SETTINGS	Opt
TRANSMISSION PTO1 SPLITTER RANGE, W/O PTO1 FOR SPLITTER RANGE	Opt
TRANSMISSION PTO2 SPLITTER RANGE, W/O PTO2 SPLITTER RANGE	Std
TRANSMISSION BELL HOUSING, ALUMINUM	Std
W/O TRANSMISSION DUSTPROOFING	Inc
TRANS OIL COOLER (INTEGRAL OIL PUMP)	Opt
SYNTHETIC LUBRICANT - TRANSMISSION, 50W (SYNTHETIC LUBRICANT)	Std
WITHOUT DRIVESHAFT GUARD FOR CENTER BEARING	Std
DRIVELINE - MAIN, SPICER SPL250XL "EXTENDED LUBE SERIES"	Sid
CAB (A thru G)	Std
MACK (BERGSTROM) INTEGRAL W/HEATER COMBINATION HEATER/DEFROSTER AND CONDITIONER	Std
AIR RESTRICTION MONITOR (INTAKE), W/O AIR RESTRICTION MONITOR	Opt
DASH CONTROL/POWER SUPPLY/LOCAL INSTALLATION PLOW LAMPS W/LEAD FURNISH AT GRILLE W/2W/3W	Орг
WEATHER PACK CONNECTION	Std
CAB CONFIGURATIONS, LH-DRIVE CA68 CONV CAB	Opt
AUX. INCAB PNEUMATIC LINE CLEANOUT	Std
CAB MOUNTING, AIR SUSPENSION	Opt
CERTIFIED WEIGHT	Opt Opt
SIX (6) ASSIGNABLE BODYBUILDER DASH SWITCHES (5 ON-OFF, 1 MOMENTARY)	Std
PARK BRAKE AND ENGINE RUNNING ACTIVATED	Std
(4) DOME LAMPS - DOOR AND SWITCH ACTIVATED	Inc
DOOR INTERIOR TRIM PANELS, PADDED VINYL/FABRIC W/ARM REST AND LIGHTED POCKET	IIIC

Description	
FENDER EXTENSIONS, FENDER EXTENSIONS	Opt
5LB (ABC RATED/AMEREX) MOUNTED BETWEEN LH SEAT BASE AND DOOR WITH VALVE AIMED REARWARD	Opt
FLOOR COVERING, POLYURETHANE FLOOR MAT	Std
GAUGE CLUSTER, EXHAUST PYROMETER AND TRANSMISSION OIL TEMPERATURE GAUGES	Std
GAUGES, ENGLISH/METRIC DISPLAY	Std
WITHOUT REAR AXLE OIL TEMPERATURE GAUGE	Std
ROADWATCH AMBIENT AIR TEMP GAUGE FOR OUTSIDE AND ROAD TEMPS (FAHRENHEIT) NOTE: ROAD WATCH 1	Opt
- DISPLAY IN DRIVER'S MIRROR	
GEAR SHIFT, W/O OPTIONAL GEAR SHIFTER	Opt
GLASS - CAB WINDOW, HEATED TINTED WINDSHIELD ONLY, TINTED SIDE AND REAR WINDOW	Opt
DIAGONAL GRAB HANDLE ON INSIDE DRIVER'S DOOR	Opt
GRILLE - HOOD AIR INTAKE, GRILLE PAINTED GRAY	Std
GRILLE, SILVER PAINTED W/O GRILLE SURROUND	Std
CAB (H thru R)	
HEADLINER, VINYL COVERED FOAM PADDED HEADLINER	Std
HOOD AND FENDERS, COMPOSITE MATERIAL - TILTABLE WINSPECTION HATCH	Inc
PAINTED HOOD LATCHES	Std
HORN - AIR, (2) MACK RECTANGULAR SINGLE TRUMPET, CHROME PLATED STEEL W/SNOW SHIELDS	Opt
HORN - ELECTRIC, DUAL TONE (TWO HORNS)	Opt
IDENTIFICATION/CLEARANCE LIGHTS, (5) TRUCKLITE LED CHROME BULLET TYPE LAMPS	Opt
IN-DASH STORAGE, W/O UPPER STORAGE OPTION	Std
INSTRUMENT CLUSTER DISPLAY, CO-PILOT DRIVER DISPLAY, ENHANCED 4.5" DIAGONAL LCD DISPLAY	Std
W/4-BUTTON STALK CONTROL W/O DIAG DISPLAY	Inc
INSTRUMENT PANEL, WOODGRAIN FINISH	Opt
INTERIOR TRIM (PEDIGREE - SLATE GRAY) Vinyl headliner, cloth/vinyl seat trim, 2 netted storage compartments and	Орг
center CB radio mounting provisions in overhead console, rear panel with storage pouch, signature polyurethane floor mat,	
brushed nickel instrument panel with chrome gauge bezels, diamond pattern fabric on doors, padded interior sun visors	
both sides, 2 spoke urethane grip brushed nickel spokes, brushed nickle Mack horn cap, adjustable tilt/telescoping steering	
column, hand crank lh/rh windows, 2 general overhead lights, 1 driver overhead light & 1 map non-glare overhead light, 2	
12V power sources, 2 cup holders, 2 trash bag hooks, 2 coat hangers, rh storage compartment, seat belt retractors, rh door	
peep window, lighted door mounted map pocket lights.	Std
CHASSIS KEYED AT RANDOM - 2 KEYS	Opt
MIRRORS - EXTERIOR, AERODYNAMIC MOTO MIRROR PACKAGE: RH/LH MOTORIZED & HEATED	Opt
MIRRORS - CONVEX TYPE, BRIGHT FINISH, LH & RH 8.0" DIA HEATED; MOUNTED BELOW LOWER ARM OF WEST	•
COAST MIRROR  OVERHEAD CONSOLE, (2) STORAGE COMPARTMENTS AND NET RETAINERS W/CENTER MOUNTING FOR CB	Std
PROVISIONS	
PERSONALIZED NAME PLATE  AM/FM PREMIUM STEREO, CD-PLAYER, MP3, WEATHERBAND, HANDSFREE INTERFACE, BLUETOOTH	Std
	Std
RADIO ANTENNA, CAB MOUNTED BEHIND LH DOOR POWER LEADS (5-WAY BINDING POSTS FOR CB RADIO) IN HEADER CONSOLE	Std
RADIO ANTENNA - CB, 48" ANTENNA LEFT SIDE MIRROR MOUNTED	Opt
CB RADIO MOUNTING REINFORCEMENT IN HEADER CONSOLE	Std
RADIO SHUTOFF, AUTO SHUTOFF FOR RADIO ENTERTAINMENT SYSTEM (WHEN IN REVERSE)	Opt
REAR WINDOW (FIXED TYPE)	Std
VEUN ANIMOGAT (LIVED LILE)	

CAB (S thru Z)

Description	
SEAT - DRIVER, BOSTROM TALLADEGA 915 (HI-BACK) AIR SUSPENSION	Op
SEAT - RIDER, MACK FIXED (HI-BACK) W/INTEGRAL STORAGE COMPARTMENT	Op
SEAT ARM RESTS, INBOARD MOUNTED ARM REST, DRIVER'S SEAT ONLY	Inc
SEAT COVERING, CLOTH W/VINYL TRIM DRIVER AND RIDER	Ind
SEAT BELTS/RETRACTORS, LAP AND SHOULDER W/CAB MOUNTED SHOULDER BELT W/ADJUSTABLE D-RING	Ind
FOR DRIVER & RIDER SEATS	
W/O ROOF VENT VENTILATION	St
STARTER SWITCH, KEY TYPE	Ste
STEERING COLUMN, ADJUSTABLE TILT TELESCOPE	St
STEERING WHEEL, TWO SPOKE URETHANE GRIP BRUSHED NICKEL SPOKES	Ind
STORAGE POUCH REAR	St
SUN VISOR, EXTERIOR, FIBERGLASS (CAB COLOR)	Ot
SUN VISOR - INTERIOR, BOTH SIDES (PADDED VINYL)	St
TURN SIGNAL SWITCH, SELF CANCELLING TURN SIGNALS	St
WINDOW CONTROLS, POWER WINDOW LIFT WITH ELECTRIC DOOR LOCK, LH & RH	O
WINDSHIELD, 2-PIECE WINDSHIELD	St
WINDSHIELD WASHER RESERVOIR, WINDSHIELD WASHER RESERVOIR INSTALLED BOC	O
WINDSHIELD WIPERS, TWO SPEED ELECTRIC MOTOR WINTERMITTENT FEATURE & ARCTIC WIPER BLADES	Ol
RAME EQUIPMENT/FUEL TANKS	
BUMPER - FRONT, EXTSWEPT BACK-STEEL CHANNEL 122.5"/3112 mm BBC	St
CROSSMEMBERS, BOC AND INTERMEDIATE(S) STEEL HD BACK-TO-BACK CHANNEL	St
CROSSMEMBER (BEHIND REAR AXLE), W/O OPTIONAL CROSSMEMBERS BEHIND REAR AXLE/BOGIE	St
WITHOUT FIFTH WHEEL MOUNTING ANGLES	St
FRONT FRAME EXTENSION, 20" FOR SNOW PLOW MOUNT (CONT' PARENT RAIL) W/TILT W/INSPECTION HATCH	O
TYPE HOOD W/SWEPT-BACK STEEL BUMPER.	
TOWING DEVICE - FRONT, HOOKS	St
FUEL TANK - LH, 72 GALLON (276 L) ALUMINUM 26" DIAMETER	O
FUEL TANK - RH, OMIT RH STANDARD	St
FUEL TANKS - BRIGHT FINISH, W/O SPECIAL FINISH FUEL TANK	St
STANDARD FINISH STEPS AND STAINLESS STEEL BRIGHT FINISH STRAPS	0
8.7 GALLON (33 L) DEF TANK	ln
WITHOUT DEF TANK COVER	ln
W/O FUEL LINE OPTION	St
W/O ISOLATED TANK(S)	SI
RONT AXLE/EQUIPMENT/TIRES	
FRONT AXLE, 20000# (9072kg) MACK FXL20 WIDE PIVOT CENTER STRAIGHT SPINDLE/UNITIZED BEARINGS	0
TIRES BRAND/TYPE - FRONT, MICHELIN - TUBELESS RADIAL PLY, (2) 315/80R22.5 20 L XZUS2 (ALL POSITION)	0
WHEELS - FRONT, STEEL DISC (10-HOLE)	0
(2) 22.5x9.0 (228 mm) HAYES LEMMERZ 10-HOLE HUB PILOTED (11 1/4"/286mm BC)(FIVE HAND HOLE)(5.25" INSET)	0
WHEELS - POLISHED (FRONT), W/O FRONT DISC WHEEL BRIGHT FINISH	0
BRAKES - FRONT, BENDIX ES165-06D, 16.5" x 6" CAST SPIDER	0
BRAKE DRUMS - FRONT, CAST OUTBOARD MOUNTED	In
DUST SHIELDS - FRONT BRAKE, FURNISH	0
HUBS - FRONT, FERROUS	Si
FAG SCHAEFFLER, FRONT GREASE SEAL	S
SHOCK ABSORBERS, FRONT	S

Description	
SLACK ADJUSTERS - FRONT, HALDEX - AUTOMATIC	Std
SPRINGS - FRONT, MACK MULTILEAF 20000# (9072kg) GROUND LOAD RATING	Opt
SPRING BUILD-UP, RH BUILD-UP FOR WING PLOW APPLICATIONS	Opt
STEERING, SHEPPARD SD110 + HD94	Opt
REAR AXLE/EQUIPMENT/TIRES/RATIOS	
REAR AXLE, 30000# (13608kg) MERITOR RS-30-185 SINGLE REDUCTION	Opt
TIRES BRAND/TYPE - REAR, MICHELIN - TUBELESS RADIAL PLY, (4) 11R22.5 16 H XDS2 (TRACTION)	Opt
CARRIER/RATIO - REAR AXLE, MALLEABLE HOUSING, 4.89 RATIO	Opt
WHEELS - REAR, STEEL DISC (10 HOLE)	Opt
(4) 22.5x8.25 (210 mm) ACCURIDE 10-HOLE HUB PILOTED (TWO HAND HOLE) - HEAVY DUTY	Opt
WHEELS - POLISHED (REAR), W/O REAR DISC WHEEL BRIGHT FINISH	Opt
BRAKES - REAR, MERITOR-CAM - 16.5"x7" P BRAKES	Opt
BRAKE DRUMS - REAR, CAST OUTBOARD MOUNTED	Std
DUST SHIELDS - REAR BRAKE, FURNISH	Opt
HUBS - REAR, CONMET IRON PRESET REAR HUB WINTEGRATED SPINDLE NUT	Std
PREMIUM HUB OIL REAR SEAL	Std
SLACK ADJUSTERS - REAR, HALDEX - AUTOMATIC	Std
SUSPENSION - REAR, 30000# MULTILEAF W/HELPER NO ANTI-SWAY	Opt
SUSPENSION - HEIGHT CONTROL KIT, W/O AIR SUSPENSION HEIGHT CONTROL	Std
AIR SUSPENSION DUMP WARNING, WITHOUT AIR SUSPENSION DUMP WARNING	Std
SPRING BRAKE CHAMBERS - QUANTITY, (2) DOUBLE DIAPHRAGM TYPE, MECHANICAL SPRING RELEASE	Std
SPRING BRAKE CHAMBERS - VENDOR, MGM MODEL TR-T (TAMPER RESISTANT)	Std
REAR BRAKE CHAMBERS SIZE 36/36 TYPE	Inc
LOCKING MAIN DIFFERENTIAL, DRIVER CONTROLLED	Opt
W/O PROTECTIVE NYLON SPACER BETWEEN DISCS WHEEL TO DRUM	Std
FRAME/WHEELBASE/PLATFORM	
WHEELBASE, 193" (4902 mm) WB 105" CA (2667 mm)	Opt
PLATFORM, 167" LP (4241 mm) 62" AF (1580 mm) USED WITH 193" WB	Opt
FRAME RAILS, 11.811" x 3.54" x .44" (300 x 90 x 11.1mm) STEEL Section Modulus: 23.5 cu in/RBM 2,820,000 in lbs per rail	Opt
FRAME REINFORCEMENT - INSIDE, W/O 5MM INSIDE CHANNEL REIFORCEMENT	Std
AIR/BRAKE	
AIR DRYER, MERITOR/WABCO HEATED AIR DRYER, 1200 W/COALESCING OIL FILTER	Std
W/O RELOCATED AIR TANKS	Std
AIR RESERVOIRS, ALUMINUM, STANDARD FINISH	Opt
ANTI-LOCK BRAKE SYSTEM, BENDIX WITHOUT TRACTION CONTROL	Opt
AIR CONTROL VALVES - VENDOR, BENDIX SWITCHES AND VALVES WHERE POSSIBLE	Inc
BRAKE CONTROL VALVE SYSTEM, TWO (2) VALVE DUAL BRAKE SYSTEM - TRAILER SUPPLY AND	Opt
TRACTOR-TRAILER PARK	
DRAIN VALVES, AUTOMATIC DRAIN VALVE, HEATED, ON SUPPLY TANK, W/LANYARDS ON ALL OTHER TANKS	Opt
HAND CONTROL VALVE FOR TRAILER BRAKES	Inc
W/O TRAILER ACCESS PACKAGE	Std
TRAILER CONNECTIONS	
TRAILER AIR CONNECTIONS, TRAILER AIR BRAKE CONNECTIONS, END OF FRAME	Opt
WITHOUT HOSE TENDER	Std
W/O TRAILER AIR HOSES	Std
W/O TRAILER ELECTRICAL CABLE	Std

TOWN OF LUNENBURG	Ref#: AFXQ060616B	Page 6
Description		
TRAILER ELECTRICAL RECEPTACLE, SINGLE 7 PIN	S STD SAE TYPE, END OF FRAME	Opt
OMIT TRAILER CONNECTORS HOLDER		Std
ELECTRICAL		0.4
BACK-UP ALARM, ECCO BACK-UP ALARM 575 CON	STANT SOUND LEVEL 107 db	Opt
BATTERY BOX COVERS, POLISHED ALUMINUM		Opt Inc
BATTERY BOX - MOUNTING, (1) BATTERY BOX LEF	T HAND RAIL	Opt
DASH MTD, INDICATOR BODY/HOIST UP "BODYBUI		Std .
CHASSIS & POWER HARNESS WITH HEAVY DUTY		Std
"BODY LINK" III W/CAB PASS-THRU		Std
W/O EMERGENCY STARTING RECEPT.		Std
REAR LIGHTING, FURNISH REAR LIGHTING		Opt
WORK LIGHTS, RH/LH LED WORK LIGHT (STEPS &	GROUND) ON BOTH SIDES TRUCK	Орг
PAINT		
PAINT - CAB EXTERIOR, SINGLE COLOR, omaha ora	ange [PPG: L6389]	Ont
PAINT - CAB, URETHANE CLEAR COAT		Opt Std
PAINT - CHASSIS RUNNING GEAR, MACK BLACK (	URETHANE)	Inc
PAINT - BUMPER, SAME AS CHASSIS RUNNING GE	AR	Std
PAINT - FRONT SPOKE WHEELS, WITHOUT OPTION	NAL SPOKE WHEEL PAINT	Std
WITHOUT OPTIONAL SPOKE WHEEL PAINT		Opt
PRE-FINISHED POWDER COAT GRAY		Opt
PRE-FINISHED POWDER COAT GRAY		Орг
PAINT PROCESS CODES		Inc
SAME COLOR AS CHASSIS RUNNING GEAR (5ZB-A	A1X)	Inc
CHASSIS RUNNING GEAR - STD COLOR (MACK BI	LACK) (6AB-Z1X)	Inc
W/O PAINT FOR FUEL TANK (7HB-Z1X)		Inc
W/O CUSTOM PAINT FOR HUB&DRUM/SPOKES (5)	/B-Z1X)	Inc
W/O CUSTOM PAINTED FRONT/REAR RIM/WHEEL		IIIO
PTO/SPECIAL TY/ADDITIONAL EQUIPMENT		Opt
PTO - CRANKSHAFT ADAPTER, 1350 SERIES FLAN	IGE (DOES NOT INCLUDE FRONT FRAME EXTENSION)	Std
PTO - REAR ENGINE (REPTO), WITHOUT REAR EN	IGINE POWER TAKE OFF	Std
W/O SPECIAL DECALS		Old
V-MAC IV PROGRAMMABLE PARAMETERS		
CUSTOMER VEHICLE LIMITING SPEED (MPH) 65	mph	
PEDAL ROAD SPEED LIMITER (MPH)		
LGVLS FEATURE ACTIVATION Omit		
LOWER GEAR VEHICLE LIMITING SPEED (MPH)	65 mph	
SOFT RSL		
PDLO ENGAGED VLS FEATURE		
PDLO ENGAGED VEHICLE LIMITING SPEED		Std
CRUISE CONTROL SETTINGS W/O ALLISON TRAN	IS	Ota
CRUISE CONTROL MAX SET SPEED (MPH) 65 m		
CRUISE CONTROL MIN SET SPEED (MPH) 20 mp		
CRUISE CONTROL AUTORESUME W/CLUTCH Fo	urnish	
CRUISE'N BRAKE ENGAGEMENT DELAY (MPH)	3 mph	
SMOOTH CRUISE Omit		
ENGINE OVERSPEED COMPANY LIMIT (RPM) 22	200 rpm	

#### Description

FUELED ENGINE OVERSPEED COMPANY LIMIT (RPM) 2100 rpm

VEHICLE OVERSPEED COMPANY LIMIT (MPH) 75 mph

FUELED VEHICLE OVERSPEED COMPANY LIMIT (MPH) 70 mph

IDLE LOGGING DELAY (MIN) 2

Monthly Trip Summary

PERIODIC TRIP HOUR OF DAY 0 (disable)

PERIODIC TRIP DAY OF WEEK 0 (disable)

PERIODIC TRIP DAY OF MONTH 1

DAYTIME RUNNING LIGHTS W/O OVERRIDE SWITCH

DRL OVERRIDE SWITCH SPEED THRESHOLD (MPH) 00

DRL OVERRIDE SWITCH OFF TIME (MIN) 00 mph

CO-PILOT FLEET TRIP PROGRAMMING ACCESS Fleet Level

FLEET MANAGEMENT VIA CO-PILOT Omit

EHT MAX ENGINE SET SPEED (RPM)

#### 2100 rpm

EHT MIN ENGINE SET SPEED (RPM) 500 rpm

EHT VEHICLE SPEED RANGE LIMIT (MPH) 10 mph

EHT RAMP RATE (RPM/Sec)

EHT SINGLE SPEED CONTROL ACTIVATION Omit

EHT SINGLE SPEED CONTROL SET SPEED (RPM) 1000 rpm

EHT JUMP-TO-MIN SET SPEED Omit

EHT HOLD TO NEAREST RPM 50 rpm

EHT ACCEL-DECEL BUMP-UP RPM 50 rpm

EHT ACCEL-DECEL BUMP-DOWN RPM 50 rpm

ENGINE PROTECTION - OIL PRESSURE SHUTDOWN Furnish

ENGINE PROTECTION - COOLANT LEVEL SHUTDOWN Omit

ENGINE PROTECTION - COOLANT TEMP SHUTDOWN Furnish

ENGINE PROTECTION - ENGINE OIL TEMP SHUTDOWN Furnish

ENGINE PROTECTION TRANS OIL TEMP SHUTDOWN Omit

ALLOW FAN OVERRIDE WHEN PARKED Omit

FAN ACTIVATION WITH PTO Omit

FUEL ECONOMY INCENTIVE FOR USE WITH INSTRUMENT CLUSTER DISPLAY (C0J 0002)

FEI PENALTY TARGET FUEL ECONOMY No Driver Incentive

FEI PENALTY TARGET FUEL ECONOMY (MPG) 5.0

FEI PENALTY VEHICLE SPEED DECREASE (MPH) 3 mph

FEI REWARD TARGET FUEL ECONOMY (MPG) 7.0

FEI REWARD VEHICLE SPEED INCREASE (MPH) 3 mph

FEI DISTANCE CALCULATION INTERVAL (Miles) 50

GOVERNOR SETTINGS FOR USE WITH MANUAL TRANSMISSIONS

GOVERNOR TYPE Min-Max Governor

ENGINE HIGH IDLE SPEED IF STOPPED 0000

VEHICLE ACCELERATION LIMITING FEATURE Disable

REDUCED ENGINE RPM RANGE IN UPPER GEARS FEATURE Disable

ENGINE RPM LIMIT IN UPPER GEARS 0000

1st TRANS RATIO FOR REDUCED HIGH IDLE 0000

LAST TRANS RATIO FOR FULL HIGH IDLE 0000

Std

-,-

Std

Inc

#### Description

ENGINE LOW IDLE SET SPEED (RPM) 650 rpm

DRIVER LOW IDLE ADJUST FEATURE ACTIVATION Omit

SMART IDLE FEATURE ACTIVATION Omit

SMART IDLE ELEVATED IDLE RPM TIME (MINS) 10

IDLE S/D ABS TAMPER CHECK Omit

IDLE COOLDOWN FEATURE ACTIVATION Omit

IDLE SHUTDOWN FEATURE ACTIVATION Omit

IDLE SHUTDOWN TIME (MINS) 10

IDLE SHUTDOWN WARNING TIME (SECS) 30

IDLE SHUTDOWN WARM-UP TEMPERATURE (DEG F) 100

IDLE SHUTDOWN WARM-UP TIMER (MINS) 5

IDLE S/D OVERRIDE W/EHT Omit

IDLE S/D OVERRIDE W/PTO Furnish

IDLE S/D OVERRIDE W/ENGINE LOAD Omit

IDLE S/D OVERRIDE % ENGINE LOAD THRESHOLD 20

IDLE S/D CONTROL W/O Idle Shutdown

IDLE S/D OVERRIDE LOWER TEMP. THRESHOLD (DEG F) 60

IDLE S/D OVERRIDE UPPER TEMP. THRESHOLD (DEG F) 80

MAINTENANCE MONITOR FEATURE ACTIVATION Furnish

PTO 1 MAX ENGINE SET SPEED (RPM) 2100 rpm

PTO 1 MIN ENGINE SET SPEED (RPM) 600 rpm

PTO 1 VEHICLE SPEED RANGE LIMIT (MPH) 10 mph

PTO 1 RAMP RATE (RPM/Sec) 100

PTO 1 SINGLE SPEED CONTROL ACTIVATION Omit

PTO 1 SINGLE SPEED CONTROL SET SPEED (RPM) 1000 rpm

PTO 1 SINGLE SPEED CONTROL AUTOSET Omit

PTO 1 JUMP-TO-MIN SET SPEED Omit

PTO 1 VEHICLE LIMITING SPEED (MPH) 60 mph

PTO 1 HOLD TO NEAREST RPM

PTO 1 ACCEL-DECEL BUMP-UP RPM

PTO 1 ACCEL-DECEL BUMP-DOWN RPM

PTO 2 MAX ENGINE SET SPEED (RPM) 2100 rpm

PTO 2 MIN ENGINE SET SPEED (RPM) 600 rpm

PTO 2 VEHICLE SPEED RANGE LIMIT (MPH) 10 mph

PTO 2 RAMP RATE (RPM/Sec) 100

PTO 2 SINGLE SPEED CONTROL ACTIVATION Omit

PTO 2 SINGLE SPEED CONTROL SET SPEED (RPM) 1000 rpm

PTO 2 SINGLE SPEED CONTROL AUTOSET Omit

PTO 2 JUMP-TO-MIN SET SPEED Omit

PTO 2 VEHICLE LIMITING SPEED (MPH) 60 mph

PTO 2 HOLD TO NEAREST RPM

PTO 2 ACCEL-DECEL BUMP-UP RPM

PTO 2 ACCEL-DECEL BUMP-DOWN RPM

SPEED SENSOR TAMPER DETECTION SYSTEM ACTIVATION Omit

SPEED SENSOR TAMPER DETECTION TORQUE LIMIT (%) 50

**DEALER INFORMATION** 

TOWN OF LUNENBURG	Ref#: AFXQ060616B	Page 9
Description		
ENGINE WARRANTY, 2YR/250,000 MILES ENGINE	= WARRANTY LIS10	Std
		Opt
PILOT INSPECTION, WITHOUT PILOT INSPECTIO	11	
PREP CHASSIS WITH FENDER MIRRORS		Std
STANDARD SHIPPING INSTRUCTIONS  MARKETING PROMOTION, NO FMV LEASE, TRA	DE BACK RESIDUAL OR TRADE IN WITH MACK PARTICIPATION	Opt
PERFORMANCE/GRAPHICS/TECH DATA		Std
AMBIENT TEMPERATURE, 77F (25.0C)		inc
BACK OF CAB INTERFERENCES, 0.0" (0mm) FRO	OM BACK OF CAB	IIIC
SOFT PRODUCTS/BULLDOG PROTECTION		Std
2 YEARS COVERAGE		
NO PARTNERED SERVICES PROVIDED		Std

J.C. MADIGAN INC. 450 OLD UNION TURNPIKE LANCASTER , MA. SALES DEPT. TEL.(978)847-2900 FAX(978)847-0068

#### QUOTE: TOWN OF LUNENBURGH HWY DEPT

TO JACK RODRIQUENZ

FROM JOHN DWYER

- 1)11 FT (6 TO 8 CUYD) AR450 HARDOX STEEL MONOSHELL DUMP BODY BIBEAU MODEL BMT-3042 WITH A MAILHOT TELESCOPIC HOIST AND 1/4" AR450 FLOOR INSTALLED ON A TOWN SUPPLIED CHASSIS UNDERCOATED AND PAINTED ONE COLOR
- A) 36" STEEL CABSHIELD W/ RECESSED LED FLASHERS
- B) REAR CORNER POST RECESSED LED FLASHERS
- C) 1/4" AR450 HARDOX STEEL FLOOR
- D) PINTLE PLATE WITH PINTLE, D-RINGS, GLADHANDS, AND TRAILER PLUG
- E) AERO AUTOMATIC TARPING SYSTEM W/ ALUM. ARMS
- F) BACKUP AND LIFT ALARMS WITH LED REQUIRED LIGHTING
- G) BODY SAFETY PROPS / SANDER MOUNTING PLATES
- H) REAR AND FRONT REAR WHEEL MUDFLAPS
- I) (3) TAILGATE MOUNTED COAL DOOR / SHOVEL HOLDER
- J) DRIVER'S SIDE ACCESS LADDER
- K) WOOD SIDEBOARDS 2" X 8"
- 2) TRANSMISSION MOUNTED CENTRAL HYDRAULIC SYSTEM WITH HOTSHIFT PTO, IN-CAB MOUNTED LEVER CONTROLS TO OPERATE DUMP, 4-WAY PLOW, AND POWER BEYOND (2FFL MANUAL CONTROLS).
- A) 40 GALLON STEEL HYDRAULIC TANK WITH VENTED CAP, SIGHT GLASS, GATE VALVE SHUTOFF, AND SPIN-ON FILTER SYSTEM.
- B) SANDER QUIK DISCONNECTS PIPED TO THE REAR WITH STAINLESS
- C) LOWER THE HEIGHT OF THE DUMP HANDLE

- 3) EVEREST CUSTOM LO-MOUNT PLOW FRAME INSTALLED W/ HOOD MOUNTED PLOWLIGHTS
- 4) 11' 45" HIGH TRIP EDGE 10 GAUGE STEEL MOLDBOARD SNOW PLOW EVEREST MODEL R132TEL45SH WITH HYDRAULIC REVERSING MODE, CURB AND WEAR SHOES, GUIDEPOLES, AND CUTTING EDGE INSTALLED.
- 5) 10' 7.0 CUYD 304 STAINLESS STEEL HI-WAY MATERIAL SPREADER MODEL E-2020-XT INSTALLED IN THE DUMP BODY ABOVE WITH THE FOLLOWING ITEMS
- A) FRONT AND REAR STAINLESS SPILLSHIELDS
- B) HEAVY DUTY MATERIAL SCREENS
- C) EXTENDED GREASE LINES AND IDLER ADJUSTERS
- D) DUMP BODY MOUNTING KIT W/ PT RUNNERS
- E) REAR MOUNTED STAINLESS LIGHTBAR W/ LED FLASHERS
- F) (2) SPINNER CHUTE MOUNTED WORKLIGHTS

#### BUDGET PRICE \$60250.00

#### **OPTIONS:**

- A)OWSK9-HD-CT ONE WAY PLOW ILO OF R132TEL45SH POWER ANGLE CREDIT PRICE ABOVE (\$2250.00)
- B) EVEREST FUUL HYDRAULIC PATROL WING W/ 12' WING BLADE ADD \$15,000.00

APPROVAL	DATE
PO#	

#### Form B-1

#### Capital Planning Committee Town of Lunenburg, Massachusetts Capital Equipment Request

OPW 16-09

Department:	DPW - Vehicles Contact Person: Jack Rodriquenz	Date: 12/2/2015
1. Equipment to be	e acquired (quantity and description). Include detailed list of accessories or options aipment is a vehicle, please attach Form C.	i.
1-Ton Du	mp Truck with Plow	
2. Intended Use of		
Crew veh	icle/tools/smaller loads	
	rchase Requested:	FY 21
FY 17		
	FY 22 anticipated large purchases	
4. Rank the Prior	ity Within Year Requested: #ofrequests	
5. Purpose of Exp	penditure (Check All That Apply)	_
	Scheduled Replacement X Present Equipment Obsolete Expanded S	
	Replace Worn Equipment X Increased Safety New Operations of the Samuel Republic Safety Others	.1011
	Legal Requirement	
	If replacement, what is being replaced? Same - 1999 model  How many hours currently used?  Financial Impact on Operating Budget (maintenance, cost of operation, required training)?	
	Less maintenance cost.	
	Will above expenditure 1) increase number of personnel, 2) reduce number of personnel, 3) eliminate need for additional personnel?	or
	Will above expenditure 1) increase operating cost, or 2) reduce operating costs with impressive details.  Reduced operating costs with improved efficiency. Fewer breakdowns.	oved efficiency?
	Will Above Expenditure Require Additional Space?No	
	New Equipment Purchase Reviewed:	<b>D</b>
	Fransfer/Borrow Equipment From Another Department Equipment  Lease Pure  Lease Pure	
	Contract Services Out to Private Company	,11456 <u> </u>
	Surchase Equipment Jointly With Another 15th	
į	Jsed Equipment [X]	

7. Cost Information -	Attach three writt	en estimates.				
	Per Unit	Total		n Fiscal Year End	ing	
		\$ 53,300.00	Year 0	June 30,		
Purchase Price		\$ 55,500.00	1	June 30,		
Financing/Other Costs		?	2	June 30,		
Less Trade In		\$ 53,300.00	3	June 30,		
Net Purchase Cost		ψ 30,000.00	4	June 30,		
			5	June 30,		
Tatimated Appli	al Maintenance C	tost: 150		6 Year	Total:	
		clude unforeseen re	pairs			
Oli alid idbe	Office and the man	order amores and				
8. Manufacturer/Ven	dor Warranties P	rovided:	1 year / 1	2,000 miles		
9. Estimated Usage	of Requested Eq	uipment:				
o. Louinistong		nent Use Seasonal?	No			
	• •	eks Per Year Used:				
* For Weeks Used,						
		ours Per Day Used:				
* For Days O						
		Il Life of Equipment:				
10. Justification:_Re	place 20 year old	d vehicles that are w	ell beyond	l resonsible life sp	an. Each d	ivision within the
	es a vehicle of thi					
Dr vv require	33 a vomoio or an					
11. If this is first req	uest for equinme	nt needed immediat	elv, explai	n how need create	ed.	
11. If this is illist req	dest for equipmen	nt noodod minio				

Date: 12/2/15		
To: Capital Planning Committee		
From: DPW		
1. Department: DPW		
2. Type of Vehicle: 1 Ton Dui	mp with Plow	
3. Hours of Use Required:		
4. Need:		
5. Type of Purchase: New	XUsed	
6. Criteria:		
	Current	Replacement
A	1999	New
Age		
Mileage/Hours	N/A	
Overall Condition	Poor	
Chata	MA	
Inspection-State	IVI/	
Inspection-Independent		
Vehicle Source		
( ) ( )		
Repair History (accident?)		
7. Reasoning (used versus new)	:Longevity	
8. Cost: New \$53,330	Used	
9. Funding Source – Request: C	PC <u>X</u> Othe	r
If other – document:		
10. Pertinent Specifications:		

### CIP# DPW 17-05

Day to anti DDIM Vahiolog	Contact Person: Jack Rodriquenz Date: 12/2/2015
Department: DPW - Vehicles	
1. Equipment to be acquired (quantity and des If the equipment is a vehicle, please	cription). Include detailed list of accessories or options.  attach Form C.
4X4 Pick-up Truck with Utility Body an	d Plow
2. Intended Use of Equipment:	
Everyday use for Facilities Division	
3. Fiscal Year Purchase Requested:	
FY 17 FY 18 X	FY 19 FY 20 FY 21 FY 21
FY 22 anticipated large	ourchases
4. Rank the Priority Within Year Requested:	#/of2requests
More efficient response - less	Present Equipment Obsolete Expanded Service Nucreased Safety X New Operation Others  Improved Procedures/Records X Others  eplaced? Same - 2008 model d? 40+  Budget (maintenance, cost of operation, required training)?  maintenance.
Will above expenditure 1) incr Give details. Reduced operating costs with	ease operating cost, or 2) reduce operating costs with improved efficiency?
Will Above Expenditure Requi	re Additional Space? <u>No</u>
6. Alternatives to New Equipment Purchase I	
Transfer/Borrow Equipment Fro	
Contract Services Out to Private	The state of the s
Purchase Equipment Jointly Wil	h Another Lown United Notice N
Used Equipment	L_

7. Cost Information -	Attach three written	estimates.			
	Per Unit	Total	Cost In Year	Fiscal Year Ending	
		\$ 44,126.00	0	June 30,	
Purchase Price		Ψ 44,120,00	1	June 30,	
Financing/Other Costs			2	June 30,	
Less Trade In		\$ 44,126.00	3	June 30,	
Net Purchase Cost		Ψ 11,1120.00	4	June 30,	
			5	June 30,	
Estimated Annu	ıal Maintenance Cost	: 150		6 Year Total:	
*Oil and lube	e only, does not includ	de unforeseen re	pairs		
8. Manufacturer/Ver	ndor Warranties Provi	ided:	1 year / 12	,000 miles	
9. Estimated Usage	of Requested Equipr				
		t Use Seasonal?			
	* Estimated Weeks				
* For Weeks Used	, Estimated Average	Days Per Week:			
* For Days U	Jsed, Estimated Hour	rs Per Day Used:	8		
	Estimated Useful L	ife of Equipment:	10-12 yea	rs	
40 Inetification: F	acilities staff is on cal	II 24/7 - 365 and	must be re	equired to carry tools and replace	ment
To. Sustinoation, 1	1 11 36 50	alastria nlumh	ning - HVA	C - etc. Lack of timely reponse ca	n cause
parts for all	non-school buildings	- electric - plants	7/11g - 11v/		
other depar	tments to be place in	failure.			
			alic avalali	how need created	
11. If this is first re	quest for equipment r	needed Immedial	ely, explaii	THOW HOOM Grounds.	
	-				

Date: 12/2/15		
To: Capital Planning Committee		
From: DPW		
1. Department: <u>DPW</u>		
2. Type of Vehicle: Pick-up w	utility body and plow	
3. Hours of Use Required: 40	<del></del>	
4. Need: Facilities		
5. Type of Purchase: New	X Used	
6. Criteria:		
	Current	Replacement
A = 0	2005	New
Age	2003	
Mileage/Hours	N/A	
Overall Condition	Fair/Poor	
In an action State	MA	
Inspection-State	1417 (	
Inspection-Independent		
•		
Vehicle Source		
D in History / a said out?)		
Repair History (accident?)		
7. Reasoning (used versus new):	Longevity	
8. Cost: New \$44,123		
9. Funding Source – Request: CP	C <u>X</u> Other	
If other – document:		
10. Pertinent Specifications:		

#### Form B-1

#### Capital Planning Committee Town of Lunenburg, Massachusetts Capital Equipment Request

CIP# DPW 16-12

	Department:	: DPW - Vehicles	Contact Person:	Jack Rodriquenz		Date: 12/2/2015
1. E	quipment to b	oe acquired (quantity and descr uipment is a vehicle, please a	iption). Include deta attach Form C.	ailed list of access	ories or option	S.
	6 Wheel	Dump with Plow and Sander				
2. I		of Equipment:				
	Road ma	aintenance and front line winter	operations			
3. F		urchase Requested:	-,,,,		00[	FY 21
	FY 17		FY 19	FY	20	F1 21[]
		FY 22 anticipated large pu		. 1		
4. F	Rank the Prior	rity Within Year Requested:	#_2	ofrequ	ıests	
5. I	Purpose of Ex	Scheduled Replacement Replace Worn Equipment X  Legal Requirement If replacement, what is being replacement, what is being replacement, what is being replacement If replacement, what is being replacement in the properties of the	Present Equipment Increased Safety Improved Procedur placed? 2002 Public Operation of personn	perations cost of operation, re	ing storm events	?
6. /	٦	Will above expenditure 1) increased	nproved efficiency.  Additional Space? eviewed: Another Department		costs with impr Equipment Lease Puro	t Rental
		Purchase Equipment Jointly With	Another Town		Other:	
	Ų	Used Equipment				

<ol><li>Cost Information -</li></ol>	Attach three written	estimates.					
	Per Unit	Total		n Fiscal Yea	ar Ending		
Durahasa Drias		\$199,619.00	Year 0	June 30,			
Purchase Price		ψ (00,010.00	1	June 30,			
Financing/Other Costs			2	June 30,			
Less Trade In		\$199,619.00	3	June 30,			
Net Purchase Cost		ψ199,019.00	4	June 30,			
			5	June 30,			
Estimated Annu	ıal Maintenance Cost	800			Year Total:		
	only, does not include		pairs				
On and labor	, 6,11,1, 4,000						
8. Manufacturer/Ven	dor Warranties Provi	ided:	1 year				
9. Estimated Usage	of Requested Equipr	ment:					
		t Use Seasonal?	Yes				
	* Estimated Weeks	_					
* For Wooks Used	Estimated Average	-		erations			
	sed, Estimated Hour						
Ful Days 0				<u> </u>			
	Estimated Useful Li	fe of Equipment:	20 years				
10. Justification:_Th	ere is nothing more i	important during t	he fall thro	ough spring	than makir	ig safe o	ur roadways
for vehicle a	nd pedestrian traffic.						
ior vernoe ar	ta padoutian traine.						-
		andad immadiatal	u evnlain	how need c	reated		
11. If this is first requ	test for equipment ne	eeded illinediatei	iy, explairi	now nood c	noutou.		

Date: 12/2/15		
To: Capital Planning Committee		
From: <u>DPW</u>		
2. Type of Vehicle: 6 Wheel w		
3. Hours of Use Required:		
4. Need: Road maintenanc	<u>e and front line winter operatio</u>	ons
5. Type of Purchase: New	XUsed	
6. Criteria:		
	Current	Replacement
Age	2002	New
Mileage/Hours	N/A	
Overall Condition	Fair	
Inspection-State	MA	
Inspection-Independent		
Vehicle Source		
Repair History (accident?)		
7. Reasoning (used versus new):	Longevity	
8. Cost: New_\$199,619	Used	
9. Funding Source – Request: CF	PCXOth	er
If other – document:		
10. Pertinent Specifications:		

#### Form B-1

### CIP# DPN 17-07

Departmen	nt: DPW - Vehicles Contact Person: Jack Rodriquenz Date: 12/2/2015
	be acquired (quantity and description). Include detailed list of accessories or options.  quipment is a vehicle, please attach Form C.
6 Whee	el Dump with Plow and Sander
2. Intended Use	e of Equipment: naintenance and front line winter operations
3. Fiscal Year F	Purchase Requested:    7
4. Rank the Pric	ority Within Year Requested: #ofrequests
5. Purpose of E	Scheduled Replacement Present Equipment Obsolete Expanded Service Replace Worn Equipment Improved Procedures/Records Others  If replacement, what is being replaced? How many hours currently used? Winter Operations  Financial Impact on Operating Budget (maintenance, cost of operation, required training)?  Significantly lower maintenance increased productivity and efficiency during storm events.  Will above expenditure 1) increase number of personnel, 2) reduce number of personnel, or 3) eliminate need for additional personnel?  No
	Will above expenditure 1) increase operating cost, or 2) reduce operating costs with improved efficiency? Give details.  Reduced operating costs with improved efficiency.
	Will Above Expenditure Require Additional Space?No
6. Alternatives to	o New Equipment Purchase Reviewed:
	Transfer/Borrow Equipment From Another Department Equipment Rental
	Contract Services Out to Private Company  X  Lease Purchase
	Purchase Equipment Jointly With Another Town Other:

7. Cost Information -	Attach three writt	en estimates.				
	Per Unit	Total	Cost   Year	n Fiscal Year E	nding	
Purchase Price		\$204,609.00	0	June 30,		
Financing/Other Costs			1	June 30,		
Less Trade In			2	June 30,		
Net Purchase Cost		\$204,609.00	3	June 30,		
,			4	June 30,		
			5	June 30,		
	al Maintenance C			6 Yea	ar Total:	
*Oil and lube	only, does not in	clude unforeseen rep	oairs			
8. Manufacturer/Ven	dor Warranties Pเ	ovided:	1 year			
9. Estimated Usage	of Requested Equ	uipment:				
	* Is Equipm	ent Use Seasonal?	Yes			
		eks Per Year Used:				
* For Weeks Used,	Estimated Avera	ge Days Per Week:	Winter o	perations		
* For Days U	sed, Estimated H	ours Per Day Used:	Winter of	oerations		
•	Estimated Usefu	I Life of Equipment:	20 years			
10. Justification:_Th	ere is nothing mo	re important during	the fall th	rough spring tha	n making	safe our roadways
	nd pedestrian traf					
11. If this is first req	uest for equipmer	nt needed immediate	ely, explai	n how need crea	ated.	
11. If this is first req	uest for equipmer	nt needed immediate	ely, explai	n how need crea	ated.	
11. If this is first req	uest for equipmer	nt needed immediate	ely, explai	n how need crea	ated.	
11. If this is first req	uest for equipmer	nt needed immediate	ely, explai	n how need crea	ated.	
11. If this is first req	uest for equipmer	nt needed immediate	ely, explai	n how need crea	ated.	
11. If this is first req	uest for equipmer	nt needed immediate	ly, explai	n how need crea	ated.	
11. If this is first req	uest for equipmer	nt needed immediate	ly, explai	n how need crea	ated.	

Date: 12/2/15		
To: Capital Planning Committee		
From: DPW	, also to the second second	
1. Department: <u>DPW</u>		
	with Plow and Sander unit	
3. Hours of Use Required:		
	ce and front line winter operatio	
5. Type of Purchase: New	X Used	
6. Criteria:		
	Current	Replacement
Age	2005	New
Mileage/Hours	N/A	
Overall Condition	Fair	
Inspection-State	MA	
Inspection-Independent		
Vehicle Source		
Repair History (accident?)		
7 Reasoning (used versus new)	: Longevity	
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
8. Cost: New_\$204,609	Used	
9. Funding Source – Request: CF	PCXOthe	er
10. Pertinent Specifications:		

CIP# DPW 17-08

#### Form B-1

Department: DPW	Contact Person: Jack Rodriquenz	Date: 10/9/2014
Equipment to be acquired (quantity a     If the equipment is a vehicle,	and description). Include detailed list of accessories or option please attach Form C.	S.
Ten wheel dump truck with plo	w and sander unit.	
2. Intended Use of Equipment:		
Winter operations and material	hauling.	
3. Fiscal Year Purchase Requested:		
FY 17 FY	18 FY 19 FY 20 X	FY 21
FY 22 anticipated	large purchases	
4. Rank the Priority Within Year Reque	sted: #ofrequests	
5. Purpose of Expenditure (Check All T	hat Apply)	
Scheduled Replacemen		ervice
Replace Worn Equipme		on
Legal Requirement	Improved Procedures/Records Others	
If replacement, what is How many hours currer Financial Impact on Op  N/A		
Will above expenditure 3) eliminate need for ad N/A	increase number of personnel, 2) reduce number of personnel, oditional personnel?	or
Will above expenditure of Give details.  N/A	increase operating cost, or 2) reduce operating costs with improve	ved efficiency?
Will Above Expenditure  6. Alternatives to New Equipment Purch	Require Additional Space? No	
	nt From Another Department Equipment Re	ental
Contract Services Out to P		=
Purchase Equipment Joint	ly With Another Town Other: N	lone
Used Equipment	П	

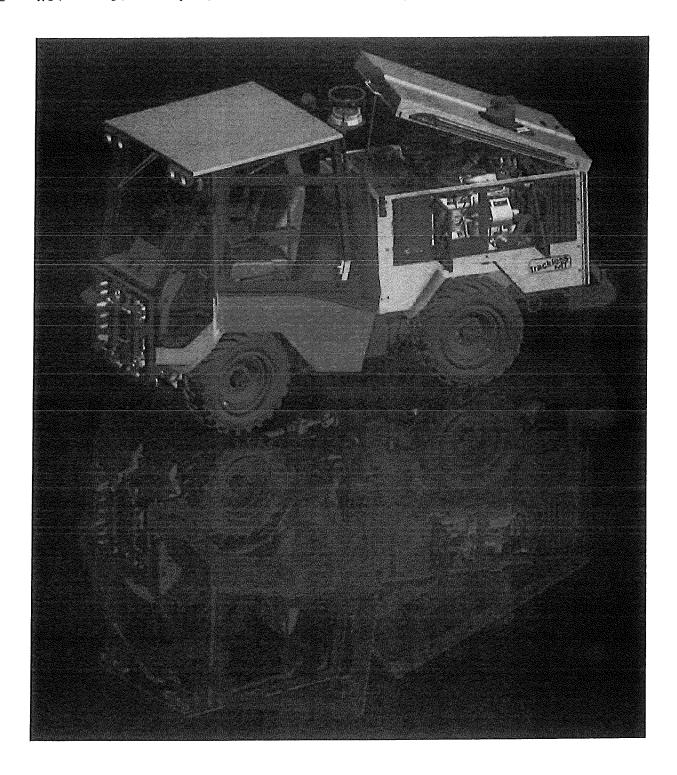
7. Cost Information -	Attach three writte	n estimates.					
	Per Unit	Total		In Fiscal Yea	ar Ending		
D D		040.050	Year				$\neg$
Purchase Price		248,358	0	June 30,			
Financing/Other Costs			1	June 30,			
Less Trade In			2	June 30,			
Net Purchase Cost		248,358	3	June 30,			_
			4	June 30,			_
Estimated Annu	al Maintenance Cos	st: 450	5	June 30,	Year Total:		
	only, does not inclu	local transfer of	airs	J	real rotal.		
8. Manufacturer/Vend	dor Warranties Pro	vided: 1	vear. 12	2,000 miles			
	aoi Trananiioo i 10	<u>.</u>	your, 12	-,000 1111100			
9. Estimated Usage	of Requested Equip	ment:					
	* Is Equipmen	t Use Seasonal? <u>N</u>	lo - most	t use in winte	er		
,	* Estimated Weeks					seasons	<b>60.40</b>
* For Weeks Used, I							
* For Days Us	ed, Estimated Hour	s Per Day Used: D	uration o	of all winter e	vents		
	Estimated Useful Li						
10. Justification:	All other front line s	sander/plows are th	e smalle	er 6 wheel un	its. Due to	our roadway sys	stem
a minimum of	one large volume	truck is necessary t	o provid	e times serv	ice to those	sections of Tow	<u>/n</u>
most distant f	rom the source of s	sand and salt. Usin	ıg a sma	ller truck for	this route v	ould require	
multiple retur	n trips to the garage	e - extending applic	ation tim	nes beyond a	safe distar	nce.	
<del></del>							
11. If this is first reque	est for equipment n	eeded immediately	, explain	how need c	reated.		

Date: 12/2/15			
To: Capital Planning Committee	!		
From: DPW			
1. Department: <u>DPW</u>			
2. Type of Vehicle: <u>10 Wheel</u>	with Plow and Sand	ler unit	
3. Hours of Use Required:			
4. Need: Front line winter	operations		
5. Type of Purchase: New		Used	
6. Criteria:			
	Current		Replacement
Age	24		New
Mileage/Hours	N/A		
Overall Condition	Fair/Poo	r	
Inspection-State	MA		
Inspection-Independent			
Vehicle Source			
Repair History (accident?)			
7. Reasoning (used versus new):	Longevity		
8. Cost: New_\$248,358		Used	
9. Funding Source – Request: CP If other – document:	CX	Other	<del> </del>
10. Pertinent Specifications:			

CIP# DPW 16-10

Department: DPW - Vehicles	Contact Person: Jack Rodriquenz	Date: 12/2/2015
Equipment to be acquired (quantity and design of the equipment is a vehicle, please.)	cription). Include detailed list of accessories or optio	ns.
Municipal Tractor (Trackless) See Pho	oto, base unit with attachments	
2. Intended Use of Equipment:		
Year Round Multi-Purpose		
3. Fiscal Year Purchase Requested:		
FY 17 FY 18	FY 19 X FY 20	FY 21
FY 22 anticipated large p	urchases	•
4. Rank the Priority Within Year Requested:	# $_{\underline{\hspace{1cm}}}$ of $_{\underline{\hspace{1cm}}}$ requests	
5. Purpose of Expenditure (Check All That App	oly)	
Scheduled Replacement	Present Equipment Obsolete Expanded	
Replace Worn Equipment X  Legal Requirement	Increased Safety New Opera Improved Procedures/Records Others	ation
If replacement, what is being re How many hours currently used Financial Impact on Operating E		?
Maintain reduction of outsourcin	ig costs.	<del></del>
Will above expenditure 1) increa 3) eliminate need for additional No	ase number of personnel, 2) reduce number of personnel, personnel?	or
Will above expenditure 1) increa Give details. Reduce operating costs with imp	ase operating cost, or 2) reduce operating costs with impro	oved efficiency?
Will Above Expenditure Require	Additional Space?No	
6. Alternatives to New Equipment Purchase Re	viewed:	
Transfer/Borrow Equipment From A	Another Department Equipment	Rental
Contract Services Out to Private C		hase
Purchase Equipment Jointly With A	Another Town Other:	None
Used Equipment		

7. Cost Information -	Attach three writte	n estimates.		
	Per Unit	Total	Cost In Fiscal Year B	Ending
Purchase Price		\$172,203.00	Year 0 June 30,	
		Ψ112,200.00	1 June 30,	
Financing/Other Costs Less Trade In			2 June 30,	
Net Purchase Cost		\$172,203.00	3 June 30,	
Net Pulchase Cost		ψ (1 2,200.00	4 June 30,	
			5 June 30,	
Estimated Annu	al Maintenance Co	st: 150		ar Total:
		ude unforeseen rep	pairs	
On and labo	orny, account me	,		
8. Manufacturer/Ven	dor Warranties Pro	vided:	1 year	
9. Estimated Usage	of Reguested Equi	oment		
9. Estimated Osage				
	• •	nt Use Seasonal? _		
		ks Per Year Used: _		
* For Weeks Used,				
* For Days U	sed, Estimated Hoા	urs Per Day Used: _	8	
	Estimated Useful I	Life of Equipment:	Max 10 years	
40 hattertion De	adalda mawing of	voqetation is reque	sted daily by residents	Trimming back intersections
gives visibilit	y to otherwise unsa	afe travel . In winte	r this unit plows sidewall	ks.
This is a high	n maintenance vehi	icle with a compara	tively shorter life span.	This is common to this unit.
Tills is a riigi	I maintenance veni	010 11111 11 0 0 11 11 11		
11. If this is first requ	est for equipment	needed immediatel	y, explain how need crea	ated.
<del>,,</del>				



OPW 17-09

#### Form B-1

Department: DPW - Vehicles	Contact Person: Jack Rodriquenz Date: 12/2/2015
Equipment to be acquired (quantity and described)     If the equipment is a vehicle, please	ription). Include detailed list of accessories or options.  attach Form C.
1-Ton Dump Truck with Plow	
2. Intended Use of Equipment:	
Year round interdepartmental use - veh	icle rotation.
3. Fiscal Year Purchase Requested:	
FY 17 FY 18	FY 19 FY 20 X FY 21
FY 22 anticipated large pu	urchases
4. Rank the Priority Within Year Requested:	#_2_ of $3$ _ requests
5. Purpose of Expenditure (Check All That App	<b>—</b>
Scheduled Replacement X	Present Equipment Obsolete Expanded Service Increased Safety New Operation
Replace Worn Equipment X  Legal Requirement	Increased Safety New Operation Improved Procedures/Records Others
· · · · —	
If replacement, what is being rep How many hours currently used Financial Impact on Operating E	
Less maintenance cost.	
Will above expenditure 1) increa 3) eliminate need for additional No	ase number of personnel, 2) reduce number of personnel, or personnel?
Will above expenditure 1) increa Give details. Reduced operating costs with in	ase operating cost, or 2) reduce operating costs with improved efficiency?
Will Above Expenditure Require	
6. Alternatives to New Equipment Purchase Re	. [7]
Transfer/Borrow Equipment From	
Contract Services Out to Private C	
Purchase Equipment Jointly With	[X]
Used Equipment	<u> </u>

7. Cost Information -	Attach three written	estimates.			
	Per Unit	Total	Cost In F Year	iscal Year Ending	
Purchase Price		\$ 57,398.00	0 .	June 30,	
Financing/Other Costs			1 .	June 30,	
Less Trade In		?	2 .	June 30,	
Net Purchase Cost		\$ 57,398.00	3 .	June 30,	
			4	June 30,	
			<u> </u>	June 30,	
Estimated Annu	al Maintenance Cost	1: 150		6 Year Total:	
*Oil and lube	only, does not inclu	de unforeseen rep	airs		
8. Manufacturer/Ven	dor Warranties Provi	ided: <u>1</u>	year / 12,00	00 miles	
9. Estimated Usage	of Requested Equipn	nent:			
	* Is Equipment	Use Seasonal? <u>N</u>	lo		
	* Estimated Weeks	Per Year Used: 5	2		
* For Weeks Used,	Estimated Average I	Days Per Week: <u>5</u>			
* For Days Us	sed, Estimated Hours	s Per Day Used: <u>8</u>			
	Estimated Useful Lif	fe of Faulpment: 1	0-15 vears		
10. Justification:_ <u>Vel</u>	nicle rotation, each d	livision/crew within	the DPW h	as one of these vehicle	e for the day to use.
	ALL DE LINE CONTRACTOR OF THE				
		-3			
•					
11. If this is first reque	est for equipment ne	eded immediately,	explain how	v need created.	
			<del></del>		

Date: 12/2/15		
To: Capital Planning Committee		
From: DPW		
1. Department: <u>DPW</u>		
2. Type of Vehicle: 1 Ton Dui	np with Plow	
3. Hours of Use Required:	<del></del>	
4. Need:		
5. Type of Purchase: New	XUsed	
6. Criteria:		
	Commont	Replacement
	Current 2001	New
Age	N/A	New
Mileage/Hours	IN/A	
Overall Condition	Poor	
Inspection-State	MA	
Inspection-Independent		
Vehicle Source		
Repair History (accident?)		,
7. Reasoning (used versus new)	: Longevity	
8. Cost: New \$57,398	Used	
9. Funding Source – Request: C	PC <u>X</u> Othe	r
If other – document:		
10. Pertinent Specifications:		

CIP# DPW 17-10

#### Form B-1

Departmer	nt: DPW - Vehicles Contact Person: Jack Rodriquenz Date: 12/2/2015
	be acquired (quantity and description). Include detailed list of accessories or options.  quipment is a vehicle, please attach Form C.
John De	eere Landscape Tractor
Intended Use     Every di	e of Equipment: ivision within the DPW, including vehicle maintenance.
3. Fiscal Year P FY 1	Purchase Requested:  7 FY 18 FY 19 FY 20 X FY 21  FY 21 anticipated large purchases
4. Rank the Pric	prity Within Year Requested: #
5. Purpose of Ex	Scheduled Replacement
	Will above expenditure 1) increase operating cost, or 2) reduce operating costs with improved efficiency? Give details.  Reduce operating costs with improved efficiency with less repairs.
C. Alkamar Charact	Will Above Expenditure Require Additional Space? _ No
T C P	New Equipment Purchase Reviewed:  ransfer/Borrow Equipment From Another Department
U	sed Equipment

7. Cost Information -	Attach three writte	en estimates.				
	Per Unit	Total	Cost Year	In Fiscal Year Er	nding	
Purchase Price		46361	0	June 30,		
Financing/Other Costs			1	June 30,		
Less Trade In			2	June 30,		
Net Purchase Cost		46361	3	June 30,		
			4	June 30,		
			55	June 30,		
Estimated Annu	al Maintenance Co	ost: 150		6 Year	r Total:	
8. Manufacturer/Ven	dor Warranties Pro	ovided: <u>1</u>	Year			
9. Estimated Usage o	of Requested Equi	pment:				
	* Is Fauinmer	nt Use Seasonal? N	lo			
,	• •	s Per Year Used: 3			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
* For Weeks Used, (						
	-	rs Per Day Used: 8		<u> </u>		
·	estimated Oseful L	ife of Equipment: 2	o years			
10. Justification: <u>Thi</u>	s unit is used in sn	nall areas, i.e. ceme	teries or	in and at road w	ork in close q	Įuarters
where large e	auipment will not f	it. Also, in the mair	ntenance	garage it is used	d to lift large t	ruck parts
		ved without a fork li				
			<del></del>			
*			· · · · · · · · · · · · · · · · · · ·			
		1. 11			1	
1. If this is first reque	est for equipment r	ieeded immediately	, expiain	now need create	<b>∍</b> a.	
***************************************						<del></del>
						1.00

Date: 12/2/15			
To: Capital Planning Committee			
From: DPW			
1. Department: <u>DPW</u>			
2. Type of Vehicle: Small Trac	tor		-
3. Hours of Use Required: Int	ermittent		
4. Need:	·····		
5. Type of Purchase: New	X	Used	-
6. Criteria:			
		Current	Replacement
Age		14 year	New
Mileage/Hours		N/A	
Overall Condition		Fair	
Inspection-State			
Inspection-Independent			
Vehicle Source			
Repair History (accident?)			
7. Reasoning (used versus new):_	Longevi	ty	
2 Costs Nov. \$46.361			
3. Cost: New \$46,361			
9. Funding Source – Request: CPC			
f other – document:			
O Dortingat Cacifications			
LO. Pertinent Specifications:			

CIP# DPW 17-11

#### Form B-1

	Department: DPW - Vehicles Contact Person: Jack Rodriquenz Date: 12/2/2015
1.	Equipment to be acquired (quantity and description). Include detailed list of accessories or options.  If the equipment is a vehicle, please attach Form C.
	1-Ton Dump Truck with Plow
2.	Intended Use of Equipment:
	Year round interdepartmental use - vehicle rotation.
3.	Fiscal Year Purchase Requested:
	FY 17 FY 18 FY 19 FY 20 FY 21 X
	FY 22 anticipated large purchases
4.	Rank the Priority Within Year Requested: # of requests
5.	Purpose of Expenditure (Check All That Apply)
	Scheduled Replacement X Present Equipment Obsolete Expanded Service
	Replace Worn Equipment X Increased Safety New Operation
	Legal Requirement Improved Procedures/Records Others
	If replacement, what is being replaced?  How many hours currently used?  Financial Impact on Operating Budget (maintenance, cost of operation, required training)?
	Less maintenance cost.
	Will above expenditure 1) increase number of personnel, 2) reduce number of personnel, or 3) eliminate need for additional personnel?  No
	Will above expenditure 1) increase operating cost, or 2) reduce operating costs with improved efficiency?  Give details.  Reduced operating costs with improved efficiency.
	Will Above Expenditure Require Additional Space?No
6.	Alternatives to New Equipment Purchase Reviewed:
	Transfer/Borrow Equipment From Another Department Equipment Rental
	Contract Services Out to Private Company Lease Purchase
	Purchase Equipment Jointly With Another TownOther:
	Used Equipment X

7. Cost mormation -	Per Unit	en estimates. Total	Cost In Fiscal Year Ending	
_			Year	
Purchase Price		\$ 58,833.00	0 June 30,	
Financing/Other Costs			1 June 30,	
Less Trade In		?	2 June 30,	
Net Purchase Cost		\$ 58,833.00	3 June 30,	
			4 June 30,	
			5 June 30,	
Estimated Annua	al Maintenance Co	ost: 150	6 Year Total:	
*Oil and lube	only, does not inc	lude unforeseen rep	airs	
8. Manufacturer/Venc	lor Warranties Pro	ovided: <u>1</u>	year / 12,000 miles	
9. Estimated Usage o	f Requested Equi	pment:		
	* Is Equipme	nt Use Seasonal? <u>N</u>	0	
•	* Estimated Weel	ks Per Year Used: 5	2	
* For Weeks Used, E	Estimated Average	e Days Per Week: 5		
* For Days Us	ed, Estimated Hοι	ırs Per Day Used: <u>8</u>		
i	Estimated Useful I	ife of Equipment: 10	)-15 years	
				Mar
10. Justification:_Veh	icle rotation, each	division/crew within	the DPW has one of these vehicl	e for the day to use.
			120	
11. If this is first reques	st for equipment n	eeded immediately.	explain how need created.	
		,	,	
-				
				***************************************
			***************************************	

Date: 12/2/15			
To: Capital Planning Committee			
From: DPW			
2. Type of Vehicle: <u>1 Ton Dur</u>			
3. Hours of Use Required:			
4. Need:			
5. Type of Purchase: New	X	Used	
6. Criteria:			
		rrent	Replacement
Age		005	New
Mileage/Hours	ſ	I/A	
Overall Condition	Р	oor	
Inspection-State	١	ЛА	
Inspection-Independent			
Vehicle Source			
Repair History (accident?)			
	· · · · · · · · · · · · · · · · · · ·		
7. Reasoning (used versus new):_	Longevity		
3. Cost: New_ \$58,833	Us	ed	
9. Funding Source – Request: CPC	X	Other	
f other – document:			
.0. Pertinent Specifications:			
-			

#### Form B-1

#### Capital Planning Committee Town of Lunenburg, Massachusetts Capital Equipment Request

OIP# DPW 17-12

Departme	ent: DPW - Vehicles Contact Person: Jack Rodriquenz Date: 12/2/2015
	o be acquired (quantity and description). Include detailed list of accessories or options. equipment is a vehicle, please attach Form C.
4X4 Pi	ick-up Truck with Utility Body and Plow
2. Intended Us	se of Equipment:
Everyd	day use for Facilities Division
3. Fiscal Year I	Purchase Requested:
FY	17 FY 18 FY 19 FY 20 FY 21 X
	FY 22 anticipated large purchases
4. Rank the Pri	iority Within Year Requested: # of requests
5. Purpose of E	Scheduled Replacement Present Equipment Obsolete Expanded Service Replace Worn Equipment X Increased Safety X New Operation Legal Requirement Improved Procedures/Records X Others
	Will above expenditure 1) increase operating cost, or 2) reduce operating costs with improved efficiency? Give details.  Reduced operating costs with improved efficiency.
	Will Above Expenditure Require Additional Space?No
6. Alternatives to	o New Equipment Purchase Reviewed:
	Transfer/Borrow Equipment From Another Department Equipment Rental
	Contract Services Out to Private Company Lease Purchase
	Purchase Equipment Jointly With Another Town Other: None
(	Used Equipment

7. Cost Information -	Attach three writte	n estimates.		
	Per Unit	Total	Cost I Year	n Fiscal Year Ending
Purchase Price		\$ 47,519.00	0	June 30,
Financing/Other Costs			1	June 30,
Less Trade In			2	June 30,
Net Purchase Cost		\$ 47,519.00	3	June 30,
			4	June 30,
			55	June 30,
Estimated Annu	al Maintenance Co	st: 150		6 Year Total:
*Oil and lube	only, does not inclu	ude unforeseen rep	oairs	
8. Manufacturer/Vend	dor Warranties Prov	vided:	1 year / 12	2,000 miles
9. Estimated Usage of	of Requested Equip	ment:		
	* Is Equipmer	nt Use Seasonal? I	No	
	* Estimated Week	s Per Year Used: ﴿	52	
* For Weeks Used,	Estimated Average	Days Per Week:	5	
* For Days Us	sed, Estimated Hou	rs Per Day Used: <u>{</u>	3	
	Estimated Useful L	ife of Equipment:	10-12 year	S
10. Justification:_Fac	cilities staff is on ca	I 24/7 - 365 and m	nust be red	quired to carry tools and replacement
parts for all n	on-school buildings	- electric - plumbir	ng - HVAC	- etc. Lack of timely reponse can cause
other departm	nents to be place in	failure.		
<del></del>				4
11. If this is first reque	est for equipment ne	eeded immediately	, explain h	ow need created.
	<del></del>			
Et al. 11. We wanted				
<del>10 • • • • • • • • • • • • • • • • • • •</del>				

Date: 12/2/15			
To: Capital Planning Committee			
From: DPW		_	
1. Department: DPW		,	
2. Type of Vehicle: Pick-up w	utility body	y and plow	
3. Hours of Use Required: 40			
4. Need: Facilities		_	
5. Type of Purchase: New	X	Used	
6. Criteria:			
		Current	Replacement
Age		2008	New
Mileage/Hours		N/A	
Overall Condition	İ	Fair/Poor	
Inspection-State		MA	
Inspection-Independent			
Vehicle Source			
Repair History (accident?)			
7. Reasoning (used versus new):_	Longev	rity	
8. Cost: New <u>\$47,519</u>		_Used	
9. Funding Source – Request: CPC			
If other – document:			
10. Pertinent Specifications:			